

Read Naturally®
Encore II
Masters Edition

Glossary

Sequenced Level

4.5

Read Naturally created this glossary as a reference book for use with Read Naturally Encore II, Level 4.5. The definitions provided correspond to the words as they are used in the stories in this level. It is not a general dictionary.



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Read Naturally Encore II

Glossary—Level 4.5

Table of Contents

Story	Title	Page
1	Nessie	1
2	Seeing the Super Small.	2
3	Eruption of Destruction	3
4	Neil Armstrong	4
5	Amelia Earhart	5
6	Animals Serve Too	6
7	What Big Eyes You Have!	7
8	The San Francisco Earthquake	8
9	Flood in Johnstown.	9
10	Underground Workers	10
11	Fried to Perfection	11
12	Beethoven	12
13	Ladybird	13
14	Chewing on Trees?	14
15	Beetles.	15
16	Isaac's Question	16
17	Will the Sun Die?	17
18	Siberian Tiger	18
19	Chicago Burns.	19
20	The Liberty Bell	20
21	Sybil Ludington's Bravery	21
22	Jane Goodall	22
23	Super Swimmer.	23
24	Mother Teresa.	24

certain¹⁶

Certain means sure or positive. *Jim isn't certain he can get to a 10:30 meeting, so he asked if we could move it to 10:45.*

claimed¹⁴

Claimed means said something was true. *Most students were telling the truth when they claimed their homework was done, but a couple of them lied.*

clear¹⁸

Clear means unmistakable, free from doubt, or certain. *Getting all the spelling words right was a clear sign the student had studied.*

creature¹³

A creature is a real or imaginary living being. *A spider is a small creature, an elephant is a large creature, and a unicorn is an imaginary creature.*

described¹²

Described means told what something was like. *The teacher described the way men and women dressed and acted 100 years ago.*

equipment²²

Equipment is something you use when doing a certain activity. *The only equipment I needed to put on a new doorknob was a screwdriver.*



evidence¹⁹

Evidence is anything that shows or proves something. *The chocolate around his mouth was evidence that he ate the candy bar.*

exists²⁰

Exists means is real or is alive. *The dinosaur is an animal that no longer exists.*

hoaxes²¹

Hoaxes are tricks, deceptions, or practical jokes. *Many fake photographs and made-up stories are so believable that people pass them around without realizing they are just hoaxes.*

mysterious¹⁵

Mysterious means difficult to explain or understand, often because people have very little information. *We didn't know why our dog kept getting sick; it was a mysterious illness.*

reported¹¹

Reported means told about or described. *The weatherperson reported the weather.*

sightings¹⁷

Sightings are events in which someone sees something important or unusual. *Our neighbors reported several sightings of a mountain lion.*

sonar²³

Sonar is a way of finding objects under the water by sending sound waves through the water and interpreting the sound waves that come back after bouncing off things. *When Clint goes fishing in the center of the lake, he uses sonar to help him find fish.*



unidentified²⁴

Unidentified means people do not know what something is. *She did not want to eat the unidentified food.*

Seeing the Super Small

Story 2
Glossary, Tracks 25–41

attend³¹

Attend means to go to or be present at something. *Jessica wanted to attend her sister's piano recital.*

bacteria²⁷

Bacteria are living things that can be helpful or harmful to our health. Bacteria are so small that you cannot see them without a microscope. *Harmful bacteria can cause an ear infection.*

cells²⁶

Cells are the small parts that make up all plants and animals. *Your blood is made of blood cells, and your brain is made of brain cells.*

doubted³⁸

Doubted means thought that something might not be true or right. *David said he finished reading the book, but Chris doubted it because David didn't know how the story ended.*

endanger²⁸

Endanger means to put in danger or make it possible to hurt or harm someone. *Smoke and other kinds of air pollution endanger our health.*

existed⁴⁰

Existed means was real or was alive. *Beetles have existed for millions of years.*

fabric²⁹

Fabric is cloth. It can be used to make clothes, curtains, and other goods. *To make a winter coat, Marcie cut out and sewed some thick fabric.*

findings³⁹

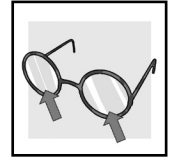
Findings are understandings or decisions that people reach after studying something. *After studying the plane crash, the group reported its findings that one of the engines had failed.*

hobby³³

A hobby is an activity that a person likes to do in his or her free time.

lenses³⁴

Lenses are curved pieces of glass that make things look bigger, smaller, or clearer. *Glasses are lenses some people wear to help them see.*



living³⁰

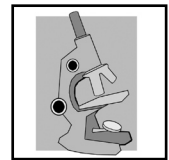
A living is what a person does to make enough money to buy the things needed to live. *Paula sells shoes for a living; this job gives her enough money to buy food and pay her bills.*

magnify³⁵

Magnify means to make things look larger than they really are. *Grandma wears reading glasses to magnify the small print in the book.*

microscope²⁵

A microscope is an instrument that makes small things look larger.



objects³⁶

Objects are things you can see or touch. *Dishes, toys, and shirts are all objects.*

roles⁴¹

Roles are jobs that people or things have. *Doctors play important roles in keeping us healthy.*

saliva³⁷

Saliva is the watery liquid made by glands in the mouth.

scientific³²

Scientific means having to do with the study of nature and the way that things are in the universe. *In school, we use scientific equipment, like microscopes and slides, to conduct experiments.*

Eruption of Destruction

Story 3
Glossary, Tracks 11–24

active volcano²²

An active volcano is a volcano that has erupted at least one time in the past 10,000 years.

Smoke sometimes comes out of an active volcano.

adventurous²⁴

Adventurous means daring, or willing to take risks in looking for new experiences. *Jill was an adventurous diver; she loved exploring underwater caves and seeing unfamiliar sea creatures.*

casualty¹⁷

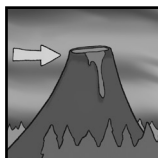
A casualty is someone or something harmed or killed in a war or accident. *The building burned down in the fire, but there was not a single casualty; everyone got out safe and without injury.*

collapsed¹⁶

Collapsed means toppled over or fell down suddenly. *She collapsed when the baseball hit her leg.*

cone²⁰

A cone is something with a shape that is wide and round at one end and pointed at the other end. The top of a volcano is sometimes called a cone. *A fir tree is shaped like a cone; so is a wizard's hat.*



disaster¹⁵

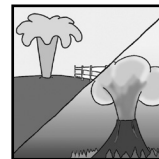
A disaster is a terrible event that causes harm. *The fire that destroyed the city was a disaster.*

emerged²¹

Emerged means came out of somewhere or came into existence. *The newborn chick emerged from its egg.*

eruptions¹²

Eruptions are explosions in which fire, smoke, or liquid shoots out of something. *Eruptions from volcanoes shoot lava into the air; eruptions from geysers shoot water into the air.*



in spite of²³

In spite of means even though something happened or is true. *In spite of losing its first game, the football team went on to win the championship.*

ironically¹³

Ironically means that something is the opposite of what is expected. *Jack thought the remote control would make watching TV simpler, but ironically, it seemed to make it more complicated.*

populated¹⁹

If a place is populated, people live there. *New York City is heavily populated; millions of people live there.*

tsunamis¹⁸

Tsunamis are very large ocean waves caused by an underwater earthquake or volcanic eruption. *Two tsunamis came, one after the other, and completely flooded the island.*



uninhabited¹⁴

If a place is uninhabited, no people live there. *Most of the land around the South Pole is uninhabited because it is too cold for people to live there.*

volcanic¹¹

Volcanic means related to volcanoes, which are openings in the earth that shoot out lava, ash, and steam. *I have a piece of volcanic rock that I found at the foot of a volcano.*

advanced³³

Advanced means more complicated or more difficult than other things. *Ruth is in an advanced math class; her class is harder than the one that most other students are in.*

astronaut³⁷

An astronaut is a person who travels in space. *The astronaut went to the moon.*



aviation²⁷

Aviation is the science of airplanes and other aircraft.

complex²⁸

Complex means hard to understand or having many parts. *When I took apart the watch and saw all the parts, I knew it was too complex for me to fix.*

enlisted³⁰

Enlisted means joined a group, usually the military. *Kate wanted to serve her country, so she enlisted in the Air Force.*

flights³⁴

Flights are trips through the air made by birds, airplanes, or other things that fly. *The pilot took many flights in his airplane.*

lunar³⁸

Lunar means having to do with the moon. *He put the lunar rocks in his science fair display about the moon.*

mankind⁴²

Mankind means all human beings.

model airplanes²⁹

Model airplanes are small copies of planes. *The model airplanes were very detailed; we could even see tiny people through the windows.*



momentous⁴⁰

Momentous means very important or having a big effect on the things that come after. *July 4, 1776, was a momentous day in the history of the United States; on that day, the country declared its independence.*

NASA³⁵

NASA is a government group in charge of space research and space travel. NASA stands for National Aeronautics and Space Administration. *NASA sent astronauts to the moon.*

Navy³¹

The Navy is part of the United States military. *The U.S. Navy helped win World War II.*

ordinary²⁵

Ordinary means plain or normal. *I wanted an ordinary cake without any decoration on it.*

passion²⁶

A passion is a strong feeling of excitement about something. *Michelle has a passion for reading; she spends her free time with books.*

selected³⁶

Selected means chose or picked something. *Jenny tried on many pairs of shoes before she selected the ones that fit best.*

surface³⁹

A surface is the outside or top part of something. *A boat sails on the surface of the water, and a fish swims below the surface.*

test pilot³²

A test pilot is a person who flies new kinds of planes to make sure they work correctly.

went down in history⁴¹

Went down in history means was remembered for a long time. *George Washington went down in history as the first president of the United States.*

achieved²³

Achieved means completed, won, or made real. *After she sold the last shirt, she had achieved her goal of selling all the shirts.*

adventure¹⁴

An adventure is a new or exciting experience that a person has. *I had a fun adventure this weekend: I went skydiving!*

aviator¹²

An aviator is a person who flies airplanes, helicopters, or other machines that fly. *The aviator flew a plane from New York to Los Angeles.*

bearings²⁷

Bearings are a person's sense of his or her own position. *Dad lost his bearings after he made a wrong turn.*

competent¹¹

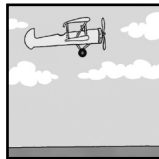
Competent means having the skill or ability to do a certain task. *She is a competent student, so she gets good grades.*

fatal²⁵

Fatal means causing death. *Two people died in the fatal car crash.*

flight¹⁶

A flight is a trip through the air made by a bird or an airplane. *The boy took his first flight on a large airplane.*

**hooked**¹⁷

When people are hooked on something, they like it very much. *You could tell she was hooked on skating because she skated every day.*

independent¹³

Independent means making decisions for oneself or not under the rule or power of someone or something else. *Now that Tara is 18 years old, she is independent; she doesn't live with her parents anymore, and she makes her own decisions.*

international²⁰

International means in many countries. *The earthquake became international news; people all over the world heard about it.*

journey¹⁹

A journey is a long trip. *My journey from New York to California was about 3,000 miles and took four days of driving.*

leg²⁶

A leg is a part of a trip. *The first leg of the trip was fun, but the last leg was ruined by rain.*

obtain¹⁸

Obtain means to get something, usually through effort. *Before they can build the store, they must obtain permission from the city.*

pilot²²

Pilot means to fly a plane. *My uncle knows how to pilot a plane, and he said he would give me a ride someday.*

satisfied²¹

Satisfied means happy or pleased with the way things are. *Colin studied hard for his math test, so he felt satisfied when he passed.*

solo²⁴

Solo means alone or by oneself. *None of my friends can go to the park with me, so I will go solo.*

trial¹⁵

Trial means as a test or as an experiment. *The golf team played a trial round before the real tournament.*

Animals Serve Too

Story 6
Glossary, Tracks 28–44

airmen²⁹

Airmen are members of the crew of an aircraft, especially in the military.

Allied²⁸

Allied refers to the nations that fought on the same side as the United States in World War I and World War II.

ammunition³⁷

Ammunition is a supply of bullets or other material that can be fired from weapons or used as weapons. *The soldiers carried extra ammunition for their guns into the battle.*

appropriately⁴²

Appropriately means in a way that is just right for what is happening. *It has been snowing all day; appropriately, the kids are wearing warm coats, hats, and boots.*

base³²

A base is the place from which an army directs its troops and supplies. *The army set up a base close to the area they wanted to capture.*

conditions³⁵

Conditions are the way things are in a certain area. *Moss does well when it grows in the right conditions: areas that stay shady and damp.*

devoted⁴⁰

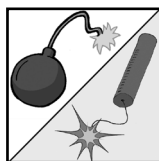
Devoted means dedicated or loyal. *Bill was devoted to helping others, so he raised money to buy food for poor children.*

dozens³⁴

Dozens means a lot or very many, usually more than 24 but less than 200.

explosives³⁹

Explosives are things that are meant to blow up or burst with a lot of force. *The workers used explosives to destroy the old building.*



fire³⁶

Fire is the shooting of weapons. *The soldiers had to keep hidden to avoid being shot by enemy fire.*

gallantry⁴³

Gallantry is brave or courageous behavior. *The captain showed gallantry when he led his men to safety, even though he'd been wounded.*

military⁴¹

Military means having to do with soldiers or the armed forces. *Members of my family have served in different branches of the military; my uncle was in the Air Force, and my sister joined the Navy.*

pigeon³¹

A pigeon is a kind of bird that will return to a place it knows; people sometimes attach a message to a pigeon's leg.



My brother's pigeon flew back to our house carrying a message from our uncle.

radio³⁰

Radio means to send a message using a radio. *The park ranger will radio the forest workers to let them know a storm is coming.*

rescuers³³

Rescuers are people or animals that save others from danger or harm. *Rescuers carried the little girl out of the burning house.*

serve⁴⁴

Serve means to work in the military. *The men and women who serve in the Coast Guard help communities during hurricanes.*

survivors³⁸

Survivors are people, animals, or plants that stay alive, especially through a difficult time. *After the big ship sank, the survivors were found waiting in small lifeboats.*

What Big Eyes You Have!

Story 7
Glossary, Tracks 11–25

ability²³

Ability is the power to do something. *Wings and feathers give birds the ability to fly.*

affect¹⁹

Affect means to cause a change in a person or thing. *The rain will affect our day; it will make us stay inside.*

consumes²⁵

Consumes means eats or drinks. *A horse consumes hay, and a bird consumes worms.*

expression¹²

An expression is a well-known group of words that means something specific. *Pulling somebody's leg is an expression that means teasing or fooling someone.*

locate²⁴

Locate means to find out where something is. *Shirley was able to locate her town on the state map.*

nocturnal¹⁷

Animals that are nocturnal are active at night and asleep during the day. *Bats, owls, and raccoons are all nocturnal animals.*

normally¹¹

Normally means usually or regularly. *I normally visit my grandfather every Tuesday, but this week I have to go on Wednesday.*

palm¹⁴

The palm is the flat, inner part of the hand, not including the fingers. *Chuck looked at the coin in the palm of his hand and then closed his hand in a fist around it.*



petite¹³

Petite means small or tiny. *A mouse looks like a petite rat; it looks like a rat but smaller.*

position²¹

Position is the way something is set or held in place. *His arm was in a strange position, so I knew it was broken.*

relies¹⁵

Relies means depends on or needs. *The fish relies on its gills; it can't breathe without them.*

rotate²²

Rotate means to turn or spin something around a center point. *You can rotate a globe around its rod or axis to see the globe's different sides.*

sockets²⁰

Sockets are pocket-like holes in a body; a socket is made to fit around another body part. *A person's hip joints connect to the thigh bones using sockets; a round, knob-like part on the end of the thigh bone fits into the hip socket.*

sufficient¹⁸

Sufficient means enough or as much as needed. *Start early so you have sufficient time to get your work done.*

vision¹⁶

Vision is the ability to see, or the sense of sight. *Bill has bad vision without his eyeglasses.*

The San Francisco Earthquake

Story 8
Glossary, Tracks 26–40

absorb³⁷

Absorb means to take in or gather something, such as energy. *A helmet can absorb the shock of a bike crash; the energy goes to your helmet instead of your head.*

earthquake²⁶

An earthquake is a strong, sudden shaking of the earth's crust caused by volcanic forces or shifting rock.

engineers⁴⁰

Engineers are people who are skilled at planning and designing things such as bridges, buildings, or electronic devices.

estimates³⁶

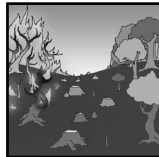
Estimates are guesses about number or size that are made after careful thinking. *The class made estimates about how many jellybeans were in the jar.*

explosives³¹

Explosives are things that are meant to blow up or burst with a lot of force. *The workers used explosives to destroy the old building.*

firebreaks³⁰

Firebreaks are sections of land that are cleared to stop the spread of a fire. *The firefighters cut down trees to make firebreaks in the burning forest.*



fueled²⁹

Fueled means caused to spread. *He fueled the fire with dry logs.*

lines²⁸

Lines are connected groups of pipes or tubes that carry something from one place to another. *The sewer lines are below the city's streets, and they go all over town.*

loot³³

Loot means to steal, rob, or carry away something that doesn't belong to you. *After the earthquake, many stores had broken windows and fallen walls, making it easy for people to get in and loot things from the stores.*

mayor³²

The mayor is the person elected to be the leader of the government of a town or city.

resulting³⁵

Resulting means happening because of something else. *The small fire didn't cause much damage to the house, but the resulting smoke caused a lot of damage.*

rubble³⁴

Rubble is broken pieces of rock, stone, or brick. *The explosion turned the building into a pile of rubble.*

streetcar²⁷

A streetcar is a vehicle that carries people and moves on tracks in city streets.

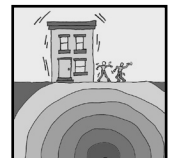


sway³⁹

Sway means to move back and forth slowly. *The tree's leaves sway in the wind.*

vibrations³⁸

Vibrations are quick movements back and forth. *We could feel the vibrations from the earthquake.*



Flood in Johnstown

Story 9
Glossary, Tracks 11–25

accumulated¹⁷

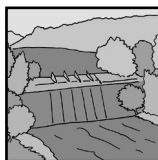
Accumulated means gathered over a period of time. *I didn't clean my room for a month, so lots of dust accumulated on my desk.*

burst¹⁹

Burst means to explode or come open. *If I step on the tube of toothpaste, it will burst, sending toothpaste everywhere.*

dam¹¹

A dam is a wall that is built in order to stop or control the flow of water. *People wanted to create a lake, so they built a dam across the river and stopped its flow.*



debris²¹

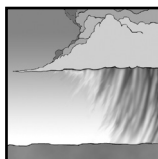
Debris is what is left after something has been destroyed or damaged. *The men cleaned up the debris after the big storm.*

definitely¹²

Definitely means for sure. *Eating toast and fruit for breakfast is definitely healthier than eating a doughnut.*

downpour¹⁵

A downpour is a heavy fall of rain. *The flash flood was caused by the downpour.*



drenched¹⁶

Drenched means made completely wet. *I forgot my umbrella, so the rain drenched me.*

earthen¹³

Earthen means made of dirt or clay. *The huts have earthen walls; people formed them out of clay.*

ignited²⁴

Ignited means lit or started on fire. *After many weeks without rain, the trees ignited easily, helping the forest fire to spread.*

intact¹⁴

Intact means in one piece or not broken. *The dishes arrived intact, even though they were shipped 10,000 miles.*

massive²²

Massive means very big or huge. *We needed a bulldozer to move the massive rock.*

pressure¹⁸

Pressure is force or weight that is put on something. *When I studied outside, I put a heavy book on my papers so the pressure would keep them from flying away in the wind.*

resulting²⁵

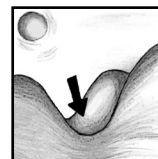
Resulting means happening because of something else. *The small fire didn't cause much damage to the house, but the resulting smoke caused a lot of damage.*

towering²³

Towering means much taller than nearby things. *The towering building has 100 floors; it is much taller than all of the other buildings in the city.*

valley²⁰

A valley is the low land between hills or mountains.



Underground Workers

Story 10
Glossary, Tracks 26–41

absorb⁴¹

Absorb means to take in another substance. *A sponge can absorb water.*

acre²⁸

An acre is a large area of land. One acre is 43,560 square feet. *Ted planted one acre of his land with grass for a yard, and the rest was planted with corn.*

deposit³⁴

Deposit means to leave or set down. *I used a truck to carry a load of rocks from the garden store and deposit it near my garden.*

digestive systems⁴⁰

Digestive systems are groups of body parts that change food so that bodies can use it. *Stomachs and intestines are parts of digestive systems in humans.*

improve²⁷

Improve means to make something better. *Sue studied her addition and subtraction facts to improve her math grade.*

minerals³⁶

Minerals are natural substances, like iron and salt, that are found in the ground.

nutrients³⁹

Nutrients are things that help other things grow by acting as food. *The nutrients found in food help your body to grow.*

perform²⁹

Perform means do or carry out a task. *The doctor has to perform surgery to fix my brother's broken leg.*

plant matter³⁸

Plant matter is any material, such as a leaf, petal, or bark, that makes up a plant. *When we cleaned up the yard, we threw away all the dead plant matter.*

plows³¹

Plows are machines that farmers use to turn up soil to get it ready for planting. *The farmers used plows to make their fields ready for planting corn.*



process³⁵

A process is a series of steps in doing something. *Washing, drying, and folding clothes are all parts of Mom's laundry process.*

recycle³⁷

Recycle means to get the useful parts out of something so that they can be used again. *When we recycle, we separate metal, paper, glass, and plastic from our trash because these materials can be reused in new products.*

soil²⁶

Soil is dirt in which plants grow. *Mom put rich soil into the pot when she planted the fern.*

topsoil³²

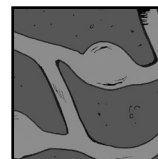
Topsoil is the surface, or top, layer of soil.

tunnel³³

Tunnel means to dig a path that goes under or through something. *When building the highway, they decided to tunnel through the mountain instead of building over or around it.*

tunnels³⁰

Tunnels are paths that go under the ground. *Sometimes people cut tunnels through a mountain so that cars can drive under the mountain instead of going over it.*



according to¹¹

According to means as said or believed by someone or something. *According to the police officer, my friend caused the car accident.*

barbecue²⁴

Barbecue is a kind of sauce that has a spicy, smoky flavor.

crispy¹⁷

Crispy means hard and dry but easy to break. *The dry leaves are crispy; they break into small pieces when I walk on them.*

crunchy¹⁴

Crunchy means making a sound when chewed or broken into smaller pieces. *Carrots are crunchy, but oatmeal is not.*

customer¹³

A customer is a person who buys something. *The customer bought a bag of groceries.*



flavored²³

Flavored means given a certain taste. *Some candy is flavored like cherries, and some is flavored like strawberries.*

instead¹⁸

Instead means in place of something or rather than something else. *The restaurant was closed, so we ate dinner at home instead.*

irritable¹⁶

Irritable means easy to make angry. *My uncle is irritable; if you say anything he disagrees with, he will get angry.*

lesson¹⁵

To teach someone a lesson means to make someone not want to do something unwise or bad again. *Dad wanted to teach me a lesson after I didn't clean my room, so he took away my bike for a week.*

originated²⁰

Originated means started or came to be. *My tradition of planting a tree on my birthday originated when I turned 7, and I have been doing it every year since then.*

popular¹²

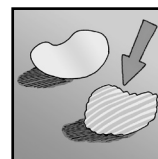
Popular means liked by many people. *Many people chose to see the popular movie.*

requesting¹⁹

Requesting means asking for something. *After requesting another glass of water, she waited patiently for it to arrive.*

rippled²²

When something is rippled, it has an uneven, wavy surface. *The lake has a flat surface on a calm day, but it has a rippled surface on a windy day.*



selection²¹

A selection is the things you can choose from. *The store near my house has a small selection of magazines; there are only three to choose from.*

applauded³⁸

Applauded means clapped hands together to show something is well done or liked. *The crowd loved the song, so they applauded after the band finished playing it.*

audience³⁷

An audience is the group of people listening to or watching a show or performance. *My parents were part of the audience that came to see our class play.*

composed²⁷

Composed means created a musical work. *Steve composed his own song by writing a piano part, a guitar part, and lyrics.*

composers²⁶

Composers are people who write music.

concluded³⁹

Concluded means ended or finished. *After the game concluded, we got ice cream to celebrate our win.*

considered²⁵

Considered means thought to be. *Leslie considered Maggie to be her best friend.*

determined³³

Determined means having strength and willingness to do something even when it is difficult. *He was determined to climb to the top of a steep mountain.*

devastated³²

Devastated means made someone feel extremely upset. *Losing his dog devastated Gary.*

gradually³¹

Gradually means happening slowly over time. *Babies gradually learn to walk and talk.*

masterpieces⁴⁰

Masterpieces are the best works of a talented artist or musician. *Many of the famous artist's masterpieces are hanging in museums.*

performance³⁵

A performance is a presentation or a show.

pianist³⁰

A pianist is a person who plays the piano.



prominent²⁹

Prominent means important or well known. *When the mayor visited our school, everyone was excited to have such a prominent person in the building.*

remarkable²⁸

Remarkable means worth noticing, extraordinary, or unusually good. *Our baseball team had a remarkable season; we won every game, and none of our players got hurt.*

symphony³⁴

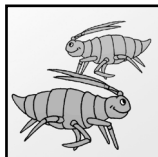
A symphony is a long piece of music written for an orchestra to play.

triumph³⁶

A triumph is a success or win. *Learning how to walk again after his accident was a great triumph for Stu.*

aphids¹⁶

Aphids are small bugs that drink the juice from plants.



appearance²²

Appearance is the way someone or something looks. *She is always combing her hair because she cares about her appearance.*

associate²⁶

Associate means to make a connection in the mind between things. *Many people associate pumpkins with Halloween.*

attractive²⁰

Attractive means interesting or able to make others want to come closer. *The attractive new display will bring many visitors to the museum.*

consume¹⁸

Consume means to eat or drink. *Horses consume hay, and many birds consume worms.*

deceived²¹

Deceived means fooled, tricked, or made to believe something that isn't true. *Many people were deceived by Jen's costume; they thought she really was a police officer.*

defense²³

A defense is something a person or animal uses to protect itself. *The people in the city built a wall as a defense against floods.*

emerge¹⁵

Emerge means to come out of somewhere or come into existence. *The newborn chick will emerge from its egg.*

environment¹⁹

The environment is the outside and all that lives there. *Rain is good for the environment because it helps plants grow.*

foul²⁵

Foul means rotten, dirty, or disgusting. *The old apartment had a foul smell that made us want to leave immediately.*

hibernating¹⁴

Hibernating means sleeping during the winter months. *Bears are hibernating in the caves until spring.*

huddle¹³

Huddle means to stay close together. *The baby rabbits huddle together to stay warm.*

protected¹²

Protected means safe from danger.

rather¹¹

Rather means more correctly or more properly. *The earthquake didn't destroy the building; rather, the earthquake caused a fire that destroyed the building.*

secrete²⁴

Secrete means to make and then let out. *Your body will secrete sweat when you exercise hard.*

type¹⁷

Type means kind. *My favorite type of ice cream is chocolate.*

Chewing on Trees?

Story 14
Glossary, Tracks 27–40

ancient³³

Ancient means from a very long time ago. *He found an ancient coin; it was over 2,000 years old.*

chicle³⁴

Chicle is the thickened, milky sap of certain tropical American trees.

demand³⁶

Demand is how much of something people want. *There was a lot of demand for ice cream on the hot summer day.*

elastic⁴⁰

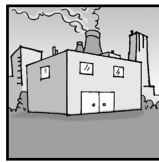
If something is elastic, it is able to be stretched out and then returned to its original shape. *A rubber band is elastic; you can stretch it to fit around something much bigger than itself.*

eventually³⁷

Eventually means after a long time. *I looked everywhere for my eyeglasses, and eventually I found them on my head.*

factory³⁹

A factory is a place where things are made. *At the car factory, you can see all the parts that are used to make cars.*



gum base²⁹

Gum base is a stretchy substance like rubber. It does not dissolve in water, can't be digested, and has no nutritional value.

harvested³¹

Harvested means gathered, picked, or collected. *This apple cider is made from apples harvested at our neighbor's farm.*

ingredient²⁸

An ingredient is one of the things a mixture is made of. *Chocolate chips are an important ingredient in chocolate chip cookies.*

major²⁷

Major means a main part of something or greater in size or importance than other parts. *A major amount of his time was spent on math homework because he wanted to get a better math grade.*

sap³⁵

Sap is thick, sticky liquid that comes from plants and trees. *Real maple syrup is made from the sap of a maple tree.*

substances³⁰

Substances are solids or liquids you can touch. *Jeff would not go in the lake because of the green and brown substances floating in it.*

synthetic³⁸

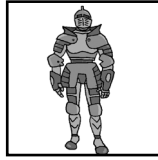
Synthetic means made by people and not found in nature. *Synthetic leather is not made from animal hide; it is made from materials made by people.*

trace³²

Trace means to follow the stages of growth or progress of something. *Connor wanted to trace his family's history back to his oldest relatives.*

armor¹⁸

Armor is a covering made of strong material that protects the body. *A knight's armor is his metal suit.*



decaying²³

Decaying means being destroyed slowly or rotting. *The decaying leaves turned brown.*

destructive¹⁹

Destructive means able to destroy or ruin things. *A tornado is a destructive storm because it has winds that are strong enough to pull up trees and blow down houses.*

environment²²

The environment is the outside and all that lives there. *Rain is good for the environment because it helps plants grow.*

evolved¹³

Evolved means changed and developed over time, often in a way that made something better. *Our club evolved; after a few years, we had new members and new ways of doing things.*

habitats¹⁷

Habitats are the places in nature where animals or plants live. *Frogs' habitats include trees and bodies of water.*

moisture¹⁵

Moisture is little drops of water. *The sweat that forms on your face when you are really hot is moisture.*

multiply²⁶

Multiply means to reproduce, breed, or make babies. *Mice can multiply very quickly; many baby mice can be born to a mother mouse every few weeks.*

pollinate²⁵

Pollinate means to move pollen from one flower to another so that the flowers can make seeds. *A bee will pollinate a flower when it carries the pollen from one flower to another flower.*



species¹¹

Species are groups of plants or animals that are alike in certain ways. *Mammals include many species, such as lions, giraffes, and humans.*

stalks²¹

Stalks are the main stems of plants or the stems from which the flowers grow. *The toddler tried to grab the flowers by their petals, but his sister showed him how to hold them by their stalks.*

surroundings¹⁴

Surroundings are the things that are near someone or something. *At school, my surroundings include desks, teachers, and other students.*

survival¹²

Survival is the continuation of life or existence. *Paul's good hunting skills made his survival in the woods possible because he was able to get enough food to stay alive.*

variety¹⁶

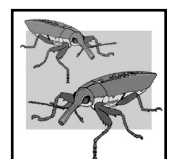
A variety is many different kinds. *There was a variety of fruit in the bowl, including apples, oranges, and bananas.*

wastes²⁴

Wastes are leftover things that may be useless. *Two wastes that are good for the soil are dead leaves and decaying apples.*

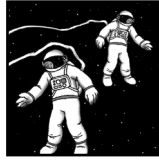
weevils²⁰

Weevils are a kind of small beetle that often damage crops.



astronauts⁴⁰

Astronauts are people who travel in space. *The astronauts went to the moon.*



attracts³⁶

Attracts means causes something to move closer. *The large magnet attracts small pieces of metal.*

consider²⁷

Consider means to think about or keep in mind. *My mom told me to consider my choices: I could either take piano lessons or join the swim team.*

determines³⁸

Determines means controls or decides something. *How hard you press on the pedal determines how fast the car will go.*

for example³⁹

For example are words a person sometimes says just before showing or telling you what something is like. *People sometimes feel sick when they eat too much sweet food; for example, too much cake and ice cream can cause a stomachache.*

for granted²⁹

If you take something for granted, you accept it as true and never question or test it. *I take my watch for granted; I always expect its time to be correct.*

force³²

A force is a power that causes or stops movement. *Gravity is the force that pulls objects to Earth.*

gravity³⁵

Gravity is a force that pulls objects toward each other. Gravity pulls objects to the ground, such as apples that fall from trees.

intelligent⁴¹

Intelligent means smart and able to learn and understand things.

invisible³¹

Invisible means not able to be seen. *Air is invisible; it is there, but you cannot see it.*

maintain³³

Maintain means to keep something the way it is. *The beams help the ceiling maintain its position; they keep the ceiling from falling.*

objects³⁷

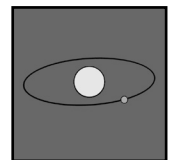
Objects are things you can see or touch. *Dishes, toys, and shirts are all objects.*

observed²⁸

Observed means watched carefully. *We observed the stars with a telescope.*

orbit³⁴

An orbit is the path that one object in space takes around another. *Earth's orbit around the sun takes about 365 days to complete.*



theorized³⁰

Theorized means offered a possible explanation after careful observation and thought. *After the scientist studied all of the information she had gathered, she theorized that the volcano would erupt soon.*

atmosphere²⁵

The atmosphere is the air or gases that surround a planet, moon, or star. *A rocket must pass through Earth's atmosphere before it reaches outer space.*

black dwarf star²⁷

A black dwarf star is a white dwarf star that has cooled off completely and no longer gives off light. It is the end stage of a star's existence.

consists¹⁵

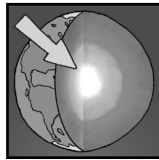
Consists means is made up of. *Seawater consists of salt and water.*

constant¹¹

Constant means unchanging or staying the same. *Mia kept a constant watch on her kids at the park; she didn't let anything distract her from looking at them.*

core²¹

A core is the innermost part of something. *If you could dig down to the center of Earth, you would reach Earth's core.*



currently¹⁹

Currently means right now or in the present. *The student told us he is currently going to Washington High School.*

elements¹⁸

Elements are the basic ingredients that make up everything in the universe.

eventually²⁴

Eventually means after a long time. *I looked everywhere for my eyeglasses, and eventually I found them on my head.*

expand²²

Expand means to become wider or bigger. *Balloons expand when you fill them with air.*

fuel¹⁴

Fuel is something that burns to give heat, light, or power. *Gas is fuel for cars.*

helium¹⁷

Helium is a gas that has no color or smell and is lighter than air. *People fill balloons with helium to make the balloons float.*

hydrogen¹⁶

Hydrogen is a gas that has no color or smell and burns easily. *When hydrogen is burned, it combines with oxygen to make water.*

process¹²

A process is a series of steps in doing something. *A caterpillar spends some time in a cocoon in the process of becoming a butterfly.*

red giant star²³

A red giant star is a star that has finished burning the fuel in its core and has started burning the fuel in its outer layers. The star's outer layers puff out, and the star becomes much larger.

survival¹³

Survival is the continuation of life or existence. *Paul's good hunting skills made his survival in the woods possible because he was able to get enough food to stay alive.*

white dwarf star²⁶

A white dwarf star is a star that has burned up all of its fuel but is still hot. A white dwarf star is much smaller than it was when it was a yellow dwarf or red giant, and it is not as bright.

yellow dwarf star²⁰

A yellow dwarf star is a common type of star that is burning the fuel in its core.

attempts³⁵

Attempts are tries or efforts to do something. *She made three attempts at passing the test; she failed her first two tries, but she passed her third.*

breed⁴⁰

Breed means to help animals produce babies. *The trainers breed dogs; they choose which ones they want to have babies.*

consume³³

Consume means to eat or drink. *Horses consume hay, and many birds consume worms.*

darts³⁰

Darts means moves quickly and suddenly. *It is hard to catch a mouse as it darts across the room.*

extinct³⁸

Extinct means no longer existing. *Dinosaurs are extinct.*

frigid³⁶

Frigid means extremely cold. *I had to wear a heavy coat to stay warm in the frigid weather.*

harsh³⁷

Harsh means very unpleasant, uncomfortable, or severe. *The wind was so harsh that it burned my cheeks.*

in the wild³⁹

In the wild means in an area of land where very few people live and plants and animals live without the help of people. *Some people learn to survive in the wild by learning how to find food and water and how to avoid dangerous animals.*

instant²⁹

An instant is a moment or a very short amount of time.

lunges³¹

Lunges means moves forward suddenly and forcefully.

muscular³²

Muscular means very strong. *The man is muscular because he lifts weights every day.*

preserve⁴¹

Preserve means to keep something from being harmed, damaged, or changed.

skilled³⁴

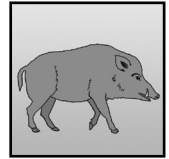
Skilled means good at something. *The skilled piano player could play almost any song well.*

stealthy⁴²

Stealthy means able to move without being noticed. *The thief was stealthy; nobody saw him break into the stores he robbed.*

wild boar²⁸

A wild boar is a wild pig that has tusks and dark bristles.



alarm¹⁶

An alarm is a signal that warns of danger. *When we heard the alarm, we knew a bad storm was coming and we ran inside.*

blaze¹⁸

A blaze is a fire. *Five buildings were destroyed in the blaze.*



calamity¹³

A calamity is a terrible event that causes great harm. *The earthquake was a calamity that destroyed many homes.*

control¹⁷

Control means to make a person or thing do what you want it to. *People with bad tempers should learn to control their tempers.*

disasters²⁴

Disasters are terrible events that cause harm. *The fires that destroyed the cities of London and Chicago were disasters.*

downtown¹⁹

Downtown means in a city's main business area. *My dad works downtown in a tall office building.*

fireproof²²

Fireproof means safe against fire. *We put important papers in a fireproof steel safe.*

fortunately²⁰

Fortunately means luckily or because of good fortune.

in spite of²⁵

In spite of means even though something happened or is true. *In spite of losing its first game, the football team went on to win the championship.*

industry¹¹

An industry is all the businesses that provide related services or products. *People who grow crops, own grocery stores, or own restaurants are part of the food industry.*

noticed¹⁴

Noticed means saw, observed, or paid attention to something.

preventing²³

Preventing means keeping something from happening. *The baby's mother put a gate across the top of the stairs as a way of preventing him from falling down the stairs.*

remains²⁶

Remains means continues to be. *Even after all these years, she remains my best friend.*

square miles²¹

Square miles are areas one mile long and one mile wide.

trade¹²

Trade is the buying and selling of goods. *Trade between the United States and Canada includes the United States buying oil and timber from Canada and Canada buying electronics from the United States.*

watchtower¹⁵

A watchtower is a tall structure where people stand to view large areas. *People go to the top of a watchtower to look for fires, enemies, or escaped prisoners.*



The Liberty Bell

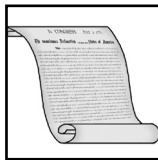
Story 20
Glossary, Tracks 27–39

communicate²⁷

Communicate means to tell or send a message about something. *Smiling can communicate joy.*

Declaration of Independence³⁶

The Declaration of Independence is a document that says America is free from the control of other countries.



events²⁸

Events are things that take place. *Parades are events that often take place on holidays.*

exhibited³⁷

Exhibited means shown in public. *Many beautiful works of art are exhibited in the museum.*

freedom³⁴

Freedom is the right to make your own choices rather than having someone else make them for you.

honor³¹

Honor means to show respect for someone or something. *The people stood to honor the king.*

independence³⁸

Independence is the state of being able to make decisions for oneself. Those who have independence are not under the rule or power of someone or something else. *Mexico was ruled by Spain until the early 1800s, when Mexico gained independence.*

liberty³⁰

Liberty is freedom, or the ability to make your own choices rather than having someone else make them for you. *Mishka had to follow his parents' rules when he lived at home, but he gained his liberty when he moved away to college.*

recast²⁹

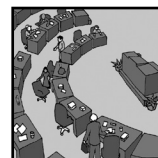
Recast means made again by pouring a liquid into a mold and letting it get hard. *They recast the statue after it broke.*

silent³²

Silent means not making any sound. *All the students in the classroom were silent; none of them talked or made any other noises.*

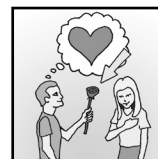
state house³⁵

A state house is a state's main building for government meetings.



symbol³³

A symbol is an object that stands for something other than itself. *A red rose is a symbol of love.*



unity³⁹

Unity is the state of being joined together as one or working together for one purpose. *The soccer team worked in unity to move the ball to the end of the field; each player did her part to help get the goal.*

Sybil Ludington's Bravery

Story 21
Glossary, Tracks 11–25

American Revolutionary War¹³

The American Revolutionary War was a war fought between the American colonies and Great Britain from 1775 to 1783. With the help of other countries and American Indians, the American colonies won the war and became a separate country, free from Great Britain's rule.

British¹⁴

A British person is someone from Great Britain.

call to arms²⁰

A call to arms is an order to soldiers, saying that they must be present at a certain place for military duty. *When the soldiers heard the call to arms, they knew it was time to go to war.*

carry¹⁹

Carry means to take an object or a piece of information from one place to another. *My grandparents haven't heard about my good grades yet, so I will carry the news to them this weekend.*

colonel¹¹

A colonel is an officer in the military. *The colonel is in charge of many soldiers.*

Continental Army¹²

The Continental Army was the army that fought the British Army in the American Revolutionary War.

convey¹⁸

Convey means to communicate or make known. *The football fans convey their happiness by cheering when the team scores.*

encountered²¹

Encountered means came up against or experienced something bad. *Although the weather report said the skies would be clear, we encountered snow on our road trip.*

exhausted¹⁷

Exhausted means very tired. *Jeff was exhausted after climbing the mountain.*

messenger¹⁶

A messenger is a person who delivers information. *I wrote a note to Hector and asked Sally to deliver it; Sally was the messenger.*

regiment²²

A regiment is a large group of soldiers made up of two or more smaller groups.

retreat²⁴

Retreat means to leave a place rather than fight. *The soldiers knew they could not win the battle, so they decided to retreat.*

summon¹⁵

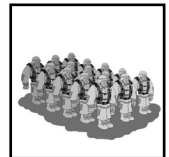
Summon means to call or send for people to come. *I will summon you when I need your help.*

to action²⁵

When someone calls people to action, he or she asks people to do a certain thing. *The leader called the volunteers to action; she asked them to go to the park and clean up the litter.*

troops²³

Troops are soldiers. *During the war, many troops had to fight in a foreign country.*



accept³¹

Accept means to agree to something or go along with it. *When she saw that it was raining outside, she had to accept the fact that she would have to play indoors.*

chimpanzees²⁷

Chimpanzees are a kind of ape that lives in Africa. They often live in trees.



community³³

A community is a group that shares an area or an interest. *My dad does a lot of work for our community; he plants flowers in the park and coaches a soccer team.*

contribution⁴⁰

A contribution is an effort made or thing given for common good or purpose. *She made a contribution to the school by giving money for new books.*

cruel³⁶

Cruel means unkind and hurtful. *The cruel boy threw rocks at the flock of birds in the park.*

established²⁸

Established means set up or started. *We established our campsite where we pitched our tent.*

eventually³⁴

Eventually means after a long time. *I looked everywhere for my eyeglasses, and eventually I found them on my head.*

fascination²⁶

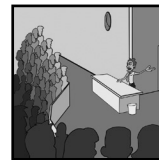
Fascination is an interest or a curiosity to know more about something. *John's fascination with space led him to read many books about it.*

fortunate³⁹

Fortunate means lucky or having good fortune. *Carl was fortunate to have his umbrella with him when it started raining.*

lecturing³⁸

Lecturing means speaking to a group of people in order to give them information about something. *The teacher was lecturing to her class about the Civil War.*



observing²⁹

Observing means watching carefully. *The scientist was observing the star through the telescope.*

presence³²

Presence is the fact that a person or thing is in a certain place. *My dad's presence in my room made me feel safer during the storm; I was glad he was there with me.*

published³⁷

Published means prepared and offered for sale something written, such as a book or magazine. *The author published his first book last year.*

realized³⁵

Realized means learned or understood something that you did not know before. *I started to run after I realized I was late.*

social⁴¹

Social means living or moving in groups. *Bees are social animals; they live in hives and work together.*

suspicious³⁰

Suspicious means believing someone is bad or cannot be trusted. *I was suspicious of the men, so I ran away.*

achieve¹¹

Achieve means to succeed in doing something. *When she sells the last shirt, she will achieve her goal of selling all the shirts.*

ambitious¹³

Ambitious means bold or grand in what you set out to accomplish. *We thought his plan to win the marathon was too ambitious, but he proved us wrong when he won.*

battled¹⁸

Battled means fought or struggled against something. *The girl battled her fear of heights by going on the roller coaster anyway.*

course¹⁵

A course is the planned way or path to get somewhere. *Airplanes need to stay on course so that they reach their destinations.*



currents¹⁹

Currents are continuous movements of water flowing in certain directions within larger bodies of water, such as oceans or rivers.

exhaustion²¹

Exhaustion is a feeling of great tiredness. *I was close to exhaustion after I ran the long race; I was so tired that I could barely stand.*

hypothermia²⁰

Hypothermia is a body temperature that is too low for the body to work well. In some cases, hypothermia causes death. *The boy fell through the ice on the lake and suffered from hypothermia.*

realize¹²

Realize means to achieve a goal or to make a dream become a reality. *Roberto will realize his goal of being a professional baseball player when he signs a contract to play for the New York Yankees.*

record¹⁴

A record is a performance or achievement that is better than any performance or achievement of the same kind. *Roger Bannister set the record for running the fastest mile when he became the first person to run a mile in under four minutes.*



retired¹⁷

Retired means stopped playing a sport or stopped doing a job. *The soccer player retired after playing for 15 years.*

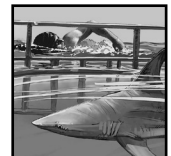
route¹⁶

A route is a way or path to get somewhere. *The bus driver takes the same route to school every morning.*



shark cage²²

A shark cage is a container with large openings that are covered with netting or wire. A shark cage protects a swimmer in areas where sharks may also be swimming. *Dora swam safely inside the shark cage while the boat pulled it through shark-infested waters.*



assisting²⁸

Assisting means helping. *The Seeing Eye dog is assisting the blind man by leading him safely across the street.*

attempted³²

Attempted means tried. *The good students attempted to finish all their work on time.*

compassion³⁵

Compassion is a feeling of sympathy that makes you want to help. *Lisa felt compassion for the thin, hungry-looking dog, so she gave him her lunch.*

convent²⁴

A convent is a group of people who live together and follow a set of religious rules. *Nuns who join the convent will live with the other nuns for the rest of their lives.*

divine calling²⁵

A divine calling is a belief that God is telling a person what to do. *Sam had planned to become a banker until he felt a divine calling that he should go into teaching instead.*

example³⁸

An example is a model or pattern that can be copied or followed. *The boy who paid attention and participated in class was an example of good behavior.*

expand³⁶

Expand means to increase or get larger in size or amount. *Chen's knowledge of the Spanish language will expand as he studies and learns more about it.*

founded²⁶

Founded means set up or started for the first time. *The group of teachers founded the new school last year.*

genuinely³¹

Genuinely means truly or really. *The boy genuinely loves his dog.*

nun²³

A nun is a woman who belongs to a group of religious women who often live together.

order²⁷

An order is a group of people who live together and follow a set of religious rules. *Nuns who join the Order of Saint Francis agree to give away their fancy clothes and belongings and live a simple life of prayer and work.*

pity³⁴

Pity is a feeling of sorrow for someone who seems worse off than you are. *Mary saw the barefoot children skipping down the street, and she felt pity for them because they didn't have any shoes.*

service³⁷

Service is work or activities done to help others. *After a group of people cleaned up the city parks, the mayor thanked them for their service to the city.*

shelter³⁰

Shelter is a place or thing that offers protection from weather or danger. *A house is a common form of shelter.*

slums²⁹

Slums are areas of a city that are poor, broken down, and crowded. *In the city's slums, people might live in a single room, and many of the buildings might have broken windows and doors.*

sympathy³³

Sympathy is the feeling of sorrow for the sadness of another. *I had sympathy for my friend when his dog died; I could understand his sadness.*

