citizens- people who belong to a particular place

immigration- the act of moving to a new country to live there

opportunity- an agreeable situation or chance

processing- a series of steps in a legal action

admitted- granted access to a place

astrobiologists- scientists who study life in the universe

microbes- the smallest living things

colony- a group of animals living in one place

sensors- devices that detect changes in light, moisture, or other physical conditions

radiation- dangerous energy rays that cannot be seen

rovers- vehicles used to explore a planet’s surface

tide- the rise and fall of the ocean

course- the direction of travel

leagues- units of distance

fathoms- units of length that measure the depth of water

jaunts- short, enjoyable journeys

peering- looking closely at something that is hard to see

via- by way of; by means of; through

traversed- traveled through; moved across

girth- distance around something; circumference

intersecting- crossing or overlapping

inspired- caused something to be created

express- show or tell thoughts and feelings to others

exhibit- a group of artworks or other objects arranged for public viewing

imitated- copied; tried to do the same things others did

compositions- works of art, such as paintings or songs

insight- clear or complete understanding of a situation

wandered- walked slowly or aimlessly

passage- an entry or doorway

adventure- an exciting experience

curious- having an interest to learn about something

marine- of or relating to the ocean

ecosystem- a community of living things and the environment it inhabits

flying bridge- the highest place on a ship from which it can be steered

chlorophyll- a green substance found in plants that allows them to make food

nautical- related to ships or navigation

comeback- a return to a healthy state

native- belonging naturally to a specific place

migrating- moving from one habitat to another with the seasons

restore- return to original condition

fungus- an organism that gets nutrition from decaying matter

gingerly- cautiously; with great care

ignite- catch fire

sputtered- gave out popping sounds

painstaking- done with great care and attention

gratified- felt great satisfaction

transmitter- equipment that makes and sends electromagnetic waves that carry messages

iconic- famous, popular, and representative of a place or time

nocturnal- awake and active at night

burrows- holes or tunnels dug by animals as a place to live

fragmented- broken into pieces

sanctuaries- human-made places of safety and protection

diminished- shrank; became smaller or fewer

thrive- do well, be successful, grow

unfettered- not limited, not restricted

cooperate- work together; participate in shared activity

expert- one who shows special skill or knowledge gained from training

focus- direct attention to something

visible- easily seen

relate- to tell; to show a relationship between two things

detect- to discover the truth, or fact of, something

Enthusiasm- high interest; excitement

Shattered- broken into many small pieces; damaged or destroyed

Reassuring- giving comfort; reminding someone not to worry

Encompass- surround or completely cover

Inseparable- never apart; unable to be split up

Loamy- having a certain mixture of clay, sand, and organic material; having a texture good for growing plants

Quarters- living space; a place to stay

Tingled- felt excitement; felt a prickling sensation

Tolerate- allow; accept; put up with

Wriggled- moved by twisting

Quell- put an end to something

Tactics- planned actions for a specific purpose

Persevere- do something in spite of discouragement

Conscientious- diligent; thorough

Crinkled- wrinkled or creased, as a crushed piece of paper

Melodic- harmonious to hear; sweet sounding

Retired- no longer working

Trembles- shakes slightly

Vivid- clear, bright, and lifelike

Radically- in an extreme way

Embodies- symbolizes or represents in a clear way

Indivisible- unable to be split into pieces

Revolutionary- very different from something that came before

Ironic- contrary to expectation

Demonstrate- display something

Perspective- how someone sees the world

Recall- remember

Appeal- the quality of beauty or interest

Confide- trust someone with a secret

endure- survive; continue existing

ponder- think long and carefully

commotion- a loud noise or activity

commenced- began; started

strapping- healthy and strong

resembled- looked like something or someone else

suspicious- not to be trusted

relaying- passing along

stalking- following closely and in a sneaky way

solemnly- in a sad and serious way

convention- a formal meeting of a group with particular interests

delegates- people appointed to represent others

ratification- a formal act of approval or confirmation

petition- a formal request signed by many people

violations- acts that disregard an agreement, law, or rule

demonstrators- people who participate in public protests or marches in support of or against something

mistreated- treated in an unkind or cruel way

qualified- has met the necessary requirements to do or be something

segregation- official separation of groups of people based on a characteristic such as race or gender

sympathize- feel or express concern, compassion, and support for someone

provisions- materials or supplies

terrain- an area of land and its surface features

settlement- a place or region that is settled

bandits- enemies or outlaws

oblige- earn gratitude; do a favor for

limitation- something set within a certain boundary

grace- ease of movement

noble- excellent; notable

empower- enable or influence

resist- use one’s strength of will to defeat or overcome a challenge

minerals- solid substances made of one or more simple chemicals

particles- very small pieces of matter

deposits- amounts of something left in one place by a natural process

erosion- a slow process of being worn away

principles- general theories or facts

abundant- existing in large amounts; plentiful

altitude- position of height

condenses- makes or becomes more close; compacts

substance- a physical material

trickles- flows or falls in drops

coaxed- persuaded someone to do something by words or actions

comrade- a companion who shares in a person’s activities and who is that person’s equal

custom- an accepted, repeated way of behaving or doing things

heed- pay attention to; listen to

revived- brought back to consciousness

edible- safe to eat

compost- fertilizer made from decayed organic matter

conscious- aware of an issue or idea

manufacturing- a company that creates items by hand or by machinery

contamination- the process of infection

geological- relating to the study of Earth’s physical properties

habitat- a place where plants or animals normally live or grow

debris- the remains of something that has been destroyed

advocates- people who support a cause or policy

valve- a structure that controls the flow of materials

disturb- interfere with or interrupt something

cycle- a sequence of events that occurs regularly

impact- a strong effect on something; to hit with force

composed- formed by putting together

engineer- a person who plans and builds a machine