asphalt

a mixture of pebbles and gravel
basalt

A gray, smooth rock that was once the hot, liquid lava that came out of a volcano
beach

an area at the edge of a lake or ocean
boulder

a very large rock that is bigger than a cobble
brick

a rectangular material made of clay that is used to build wall
bubble

a pocket of air that forms when a gas rises to the surface of a liquid
build

to make or form something
butte

a hill with steep sides and flat top
canyon

a deep V-shaped valley
cement

a finely ground powder that is like glue when mixed with water
clay

rocks that are smaller than sand and silt. It is hard to see just one
coarse

made up of larger, rough particles
cobble

a rock that is smaller than a boulder but bigger than a pebble
color

the pigment or hue
of an object
concrete

a mixture of gravel, sand, cement and water
data

information collected and recorded as a result of observation
decay

when dead plants or animals break down into small pieces
delta

earth materials built up in the shape of a fan
dull

not sharp or shiny
earth material

any of the solid, liquid or gaseous materials that make up Earth
engineer

a scientist who uses their knowledge of materials to design useful objects and structures
erosion

the carrying away of earth materials by water, wind or ice
fine

made up of very small particles, such as a powder
flat

level, smooth or even, not raised
fresh water

water without salt. Fresh water is found in streams, lakes and rivers
gas

matter that can’t be seen but is all around. Air is an example of a gas
geologist

a scientist who studies Earth and rocks
granite

the name of a kind of rock that is often white, pink or gray
gravel

a rock that is smaller than a pebble but bigger than sand
group
to put objects together by similar properties
harden
to dry up and become stronger
humus

bits of dead plant and animal parts in the soil
lake

a body of fresh water that is larger and deeper than a pond
layer

a material that lies evenly over or under a different material
liquid

matter that doesn’t flow and takes the shape of its container
map

a picture that shows different parts of something
matrix

something that connects other parts together
medium

made up of middle sized particles
mesa

a hill with a wide, flat top
mineral

the colorful ingredient that makes up rocks
mixture

two or more things
mixed together
model

an explanation or representation of an object, system or process that cannot be easily studied
mortar

a mixture of cement and sand
mountain

a high and steep area of land
natural resource

something from Earth. Rocks, soil, air and water are natural resources
nutrient

something that living things need to grow and stay healthy
ocean

a natural source of salt water found on Earth’s surface
particle

a piece of rock
pattern

a property that can help identify different rocks. Some rocks have different designs or patterns
plateau

a high, nearly flat area of land
pointed

having sharp edges or corners
pond

a small body of fresh water
property

Something that you can observe about an object or materials. Size, color, shape, and texture are properties.
retain
to hold
river

a large stream that is a natural source of fresh water
rock

a solid earth material. Rocks are made of minerals.
rough

bumpy, not smooth
round

having curved edges like a circle
salt water

water with salt. Salt water is found in seas and the ocean.
sand

rocks that are smaller than gravel, but bigger than silt
sand dune

a hill of sand
formed by wind
sandpaper

sand that is glued to paper to create different surface textures on wood
scoria

a reddish, bubbly rock that was once the bubbly top of lava
screen

a piece of mesh used to separate a mixture
sculpture

a three-dimensional work of art
separate
to take apart the ingredients of a mixture
settle

to establish a place or position
shake
to move back
and forth
rapidly
shape

the appearance or form of an object
sharp

having pointed edges or corners
shiny

bright or polished
sidewalk

a paved walkway along the side of the street
silt

rocks that are smaller than sand, but bigger than clay
sink
to fall below
the surface of
water
size

how large or small something is
smooth

flat, level; not rough
soil

a mix of sand, silt, clay, gravel, pebbles, and humus
solid

matter that holds its own shape
sort
to arrange by property
stream

a small natural source of fresh water found on Earth’s surface
texture

the way
something feels
tuff

a light, soft rock that has ashes in it from the fires of a volcano
valley

a low area between mountains
volcano

a place where lava, ash, and gases come out from the earth
weathering

when rocks break apart over time to become smaller and smaller
wind

moving air