above in a higher place; on top of (IG)

absorb to soak in (IG)

air a mixture of gases that we breathe (SRB)

around to move or place along the outside (IG)

basswood a light, soft wood from a linden tree (IG)

bead up to remain on the surface and not sink in (IG)

below in a lower place; underneath (IG)

bend to curve (IG)

blot to dry or remove a liquid with an absorbent material, such as a paper towel (IG)

break to separate into pieces (IG)

bumpy not smooth, covered in bumps (IG)

burlap a strong, rough material made by twisting thin pieces of materials like hemp (IG)

cardboard a strong, rigid material made from corrugated paper sandwiched between two flat sheets of paper (IG)

cause something that produces a result (IG)

cedar a soft wood from a cedar tree (IG)

change to make or become different (IG)

chipboard a thick paper that is made from recycled cardboard (IG)

cloth fabric or material formed by weaving or knitting (IG)

cold having a very low temperature (IG)

collide to hit or crash (SRB, IG)

collision a crash in which two or more things hit each other (IG)

communicate to explain or exchange thoughts and information, such as when writing or speaking (IG)

compare to look at how things are the same and different (SRB, IG)
**conserve** to use wisely  (IG)

**construction paper** a thicker paper that is many sizes and colors  (IG)

**corduroy** a strong fabric that lasts a long time, is often made of cotton, and has raised lines  (IG)

**corner** the point at which the sides of an object, such as a box, meet  (IG)

**corrugated paper** cardboard made with a layer of hard, wavy paper  (IG)

**crease** to fold  (IG)

**denim** a coarse twilled cloth, usually cotton, used for jeans, overalls, and work uniforms  (IG)

**different** not the same  (IG)

**direction** the path on which something is moving  (SRB, IG)

**distance** the amount of space between two places or things  (IG)

**drop** a very small quantity of liquid  (IG)

**dry** not wet; having no water  (IG)

**effect** a result or outcome  (IG)

**engineer** a scientist who designs ways to solve a problem  (SRB)

**evaporate** when a liquid drives up, goes into the air as a gas, and can’t be seen  (IG)

**fabric** a flexible material used to make clothing. Fabric and cloth are the same.  (SRB, IG)

**facial tissue** a soft, flexible kind of paper that is used for cleaning your nose and face  (IG)

**fast** moving or able to move quickly  (IG)

**fewer** less than  (IG)

**fiber** a thread-like substance or filament  (IG)

**flat** level, smooth or even; not raised  (IG)

**fleece** a soft fabric from the wool of a sheep or other similar animal used for making blankets and coats  (IG)

**flip** to turn over  (IG)

**float** to rest on top of or be suspended in a liquid  (IG)

**flour** a soft powdery material made by grinding up wheat grains  (IG)
fold to bend the sides of a material together  (IG)
forest a natural area where trees grow  (SRB)
gentle not hard or forceful  (IG)
glue a substance used to stick things together  (IG)
grain the pattern on wood; the way wood looks and feels  (IG)
grap a drawing or picture that shows amounts and how they are related  (IG)
gravity a force that pulls things toward Earth  (SRB, IG)
half one part of two equal parts  (IG)
hot having a very high temperature  (IG)
jute a plant used to make burlap  (SRB)
knit a soft, flexible fabric that is made by twisting yarn or thread in loops  (IG)
kraft paper a strong, brown paper used for wrapping things  (IG)
laminated glued together in layers  (IG)
land the solid surface of Earth  (SRB)
layer a material that covers another material  (IG)
least the smallest amount  (IG)
less smaller  (IG)
magnet an object that sticks to iron  (IG)
material what something is made of  (IG)
mixture two or more materials put together  (IG)
mold to form or shape something  (IG)
more greater  (IG)
most the largest amount  (IG)
motion the act of moving  (IG)
move to go from one place or position to another  (IG)
**natural resource** something from Earth. Rocks, soil, air, and water are natural resources. (IG)

**newsprint** a thin, light paper used for printing newspapers (IG)

**nubby** rough, bumpy (IG)

**observation** the act of using your senses to get information (SRB)

**observe** to use the senses such as sight, hearing, smell, taste, or touch (IG)

**oil** a liquid pumped from the ground. Oil is used by people to make nylon and many other things. (SRB)

**over** to go above (IG)

**paper** a flexible material made from wood (SRB, IG)

**paper towel** a soft towel made from paper that is used to soak up liquid and can be thrown away or recycled (IG)

**papier-mâché** a material made from paper and glue that is used to make something (IG)

**particleboard** a wood product made of very small pieces of wood glued together (IG)

**pine** a type of evergreen tree with needles and cones; the light strong wood from this tree (IG)

**plywood** a wood product made of thin sheets of wood glued and pressed together (IG)

**property** something you can observe about an object or material. Size, color, shape, texture, and smell are properties. (SRB, IG)

**pull** when you make things move toward you. Pulling is a force. (SRB, IG)

**pulp** a mixture of sawdust and water used to make paper (SRB, IG)

**push** when you make things move away from you. Pushing is a force. (SRB, IG)

**raft** something that floats in water and can carry people or other things (IG)

**ramp** a sloping way or plane (IG)

**recycle** to use again (SRB, IG)

**recycling** using materials again to make something new (IG)

**reuse** to use again; to recycle (IG)

**ripstop nylon** a very strong fabric that is not made naturally and is used for making tents and parachutes (IG)

**rocket** a vehicle used to launch things into space (IG)
roll to move by turning over and over (IG)

rolling moving from one place to another by going around and around (SRB, IG)

rough bumpy; not smooth (IG)

same alike; not different (IG)

sand a tiny piece of rock (IG)

sandpaper paper with sand glued on it that is used to make other materials smooth (IG)

satin a smooth fabric that shiny on one side and not shiny on the other side and that is made by twisting material like silk or rayon (IG)

sawdust the small bits made when a saw cuts wood (SRB, IG)

scratchy rough, not smooth (IG)

screen a tool with holes in it used to separate materials by size (IG)

seersucker a light, thin fabric, such as cotton, with a bumpy side with stripes (IG)

senses sight, hearing, smell, taste, touch (IG)

shape how round or flat something is (IG)

shavings thin curls of wood carved off of a larger piece of wood (IG)

shiny bright or polished (IG)

sink to go to the bottom of a body of water; to submerge (IG)

slick very smooth and slippery (IG)

slippery so smooth you can slip or slide (IG)

slope an upward or downward slant (SRB, IG)

slowly at a low speed (IG)

smooth flat; not rough; no bumpy parts (IG)

soak to place in a liquid; to get wet (IG)

soft not hard or rough (IG)

sparkle organza a tough, see-through, shiny fabric with glitter that is not made naturally and is used for dresses (IG)
speed how fast an object moves (SRB, IG)

spread to flatten out or cover a surface (IG)

stiff not easily bent; rigid (IG)

stop to not move (IG)

strength the power to resist force (IG)

strip a long, thin flat piece (IG)

strong tough, not easy to break (IG)

structure something that is built by putting parts together (IG)

submerge to push or put under water (IG)

tagboard a strong cardboard used especially for making tags (IG)

tear to rip apart (IG)

temperature how hot or cold the air is (IG)

terry cloth a pile of fabric with uncut loops on both sides used to make bath towels and bath robes (IG)

test to check or try out (IG)

texture the way something feels (IG)

thick to have a greater distance from one side to another; not thin (IG)

thin to have a smaller distance from one side to another; not thick (IG)

thread fine cord of a fibrous material, such as cotton, used in needlework and weaving (IG)

tree a plant with a woody stem, roots, and branches with leaves (SRB, IG)

warp the threads that run vertical in a woven fabric (IG)

water the most common liquid on Earth. Water is found in oceans, lakes, and streams. (SRB)

waterlogged full of water (IG)

waterproof cannot get wet (IG)

waxed paper a kind of paper with a waxy material on it (IG)

weft the threads that run horizontal in a woven fabric (IG)
wet containing or covered with a liquid; not dry   (IG)

wheat paste a mixture of flour and water used to glue materials together   (IG)

wood a strong material in the trunks and branches of trees   (SRB, IG)

woodworker a person who makes things with wood   (IG)

woven to make cloth by interlacing the threads of the weft and the warp on a loom   (IG)