



# Matter—Properties and Changes

Draw a line from word to word to complete the maze as your classmates read the clues.

START	SOLID, LIQUID, GAS	LIQUID STATE	STRONG
DIFFUSION	SOLID STATE	GASEOUS STATE	WEAK
ADDING HEAT	LIQUIDS TAKE CONTAINER SHAPE	MASS	HEATED PARTICLES GAIN MORE ENERGY
ATOMS SLOW DOWN	SOLID CAN CHANGE DIRECTLY INTO A GAS	TEMPERATURE	VIBRATE FASTER
BOILING	CHEMICAL CHANGE	MASS	BALANCE
PARTICLES HITTING A SURFACE	SMELLING SPRAYED PERFUME	GASES OR LIQUIDS MIX	NO EFFECT
REDUCE THE VOLUME	DIFFUSION	COMBUSTIBILITY	DENSITY
REACTIVITY	PHYSICAL CHANGE	SALT	CHEMICAL CHANGE
CARVING IT INTO A BAT	CUTTING IT WITH SCISSORS	WATER	REACTIVITY
ADDING OR REMOVING HEAT	DENSITY	RUST	COMBUSTIBILITY
PAPER, BREAD, AIR	OCEAN WATER AND HOT COCOA	CARBON DIOXIDE	IRON
PHYSICAL CHANGE	FINISH	CHANGE IN COLOR	GASES

Look at the words you did **not** use in the maze above. Write one of those words for each definition.

- \_\_\_\_\_ particles spreading out
- \_\_\_\_\_ the amount of material in an object
- \_\_\_\_\_ mass divided by volume
- \_\_\_\_\_ the change in matter when one substance turns into another substance
- \_\_\_\_\_ the ability of a substance to burn
- \_\_\_\_\_ the result of changing the size, shape, or color of an object
- \_\_\_\_\_ the ability of a substance to undergo a chemical change