

Two Ways to Change Sort Cards:

A melting ice sculpture, a spectacular bonfire, a cake baking in the oven, an explosion . . . all of these involve changes in matter. Some are *physical changes* (changes in shape, color, or state) and others are *chemical changes* (changes involving chemical reactions). Which are which?

Directions: Cut apart and sort each scenario card by whether it represents a physical change or a chemical change. Be ready to explain and justify your choices.



Physical Change	Chemical Change	
Glass breaking	Melting butter for popcorn	Hammering wood together to build a tree house
Freezing chocolate-covered bananas for a snack	Rusting bicycle	Creating sculptures through the art of glassblowing
Burning toast	Corroding metal	Spoiling food was left out of the refrigerator
Plants using photosynthesis	Bleaching your hair	Squeezing oranges to make orange juice
Water evaporating from a pond	Cutting grass	Mixing lemonade powder into water
Separating sand from gravel	Pouring milk on your cereal	Frying an egg
		Your body breaking down your food into nutrients