

Name : _____ Score : _____ Date : _____

Physical and Chemical Changes Worksheet

Look at the following scenarios and decide whether these changes are physical or chemical. Provide evidence for your choices.

Scenario	Type of Change	Evidence
A cook cuts a slice from a loaf of bread fresh from the oven and spreads butter on it		
A piece of bread is left in the toaster for too long and ends up being burnt black		
Food color added to water changes its coloring		
Fireworks exploding during a show		
Silver spoons turning dull with black spots forming on them		
A piece of copper wire is coiled into a spring		

Physical and Chemical Changes Worksheet

Look at the following scenarios and decide whether these changes are physical or chemical. Provide evidence for your choices.

Scenario	Type of Change	Evidence
A cook cuts a slice from a loaf of bread fresh from the oven and spreads butter on it	Physical	No new substances were formed, no changes in color or temperature were formed, no gases were released
A piece of bread is left in the toaster for too long and ends up being burnt black	Chemical	Substance changes, as well as changes in taste, odor, and color
Food color added to water changes its coloring	Physical	Despite the change in color, no new substances were formed
Fireworks exploding during a show	Chemical	A new substance is formed, and heat and light are given off
Silver spoons turning dull with black spots forming on them	Chemical	A new substance is formed (tarnish)
A piece of copper wire is coiled into a spring	Physical	No new substance is formed