

Chemical and Physical Change Worksheet

Name: _____

Classify the following changes as Chemical or Physical Changes, and provide a reason for your answer:

Change	Chemical or Physical	Reason
Reminder!!	Chemical Change	When a new substance is formed (bonds have been broken or formed) 5 indicators of Chemical Change Color change, pH Change, Gas Production, Changes in Temperature, Precipitate forms
	Physical Change	When there is a change in appearance only (state changes or mixtures)
Mixing sugar and water		
Making a peanut, pretzel and cereal mixture		
Baking soda reacts with vinegar and forms a gas		
A piece of metal is bent in half		
Methanol is burned and leaves a residue		
An aspirin is crushed into fine powder		
Copper turns green when exposed to the environment		
Two clear liquids are mixed and a yellow color forms		

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Baking cookies		
Diamonds are used to scratch glass		
A tree burns to form ashes		
Water freezes to form ice		
Glass Breaking		
A piece of apple rots on the ground		
A bicycle chain rusts		

In the table below, come up with ONE examples each for a physical change, and a chemical change. Give an example that have not already been provided. Draw a picture to support your claim.

Physical Change	Chemical Change