

Physical or Chemical?

Check if the characteristic is true for a chemical or physical change.

Characteristic	Physical Change	Chemical Change
A new substance is formed.		
This type of change can usually be easily undone.		
It can be a temporary change.		
The composition of the substance changes.		
The substance is still the same.		
It is usually irreversible.		
Light or heat might be given off.		
Matter changes in size or shape.		
It is a permanent change.		
No change in the composition occurs.		
This change can involve a change in state, such as gas, liquid, or solid.		
A change in color might occur.		
Molecules change.		
This is caused generally by temperature, motion, or pressure.		

Check if the example fits physical or chemical change. Be prepared to explain your answer.

Example	Physical Change	Chemical Change
Frying an egg		
Tearing paper		
Sharpening a pencil		
Breaking a window		
Rust on a bike		
Igniting fireworks		
A rotten tomato		
Getting a bad hair cut		
Baking a cake		
Lighting a match		
Cutting down a tree		
Burning firewood		
Crumbling cookies		
Butter melting on hot pancakes		