

Physical vs. Chemical Properties

A physical property is observed with the senses and can be determined without destroying the object. For example, color, shape, mass, length, and odor are all examples of physical properties.

A chemical property indicates how a substance reacts with something else. The original substance is fundamentally changed in observing a chemical property. For example, the ability of iron to rust is a chemical property. The iron has reacted with oxygen, and the original iron metal is changed. It now exists as Iron Oxide, a different substance.

Classify the following properties as either chemical or physical by putting a check in the appropriate column.

Property	Physical	Chemical
1. Blue Color		
2. Density		
3. Flammability		
4. Solubility		
5. Reacts with acid to form H_2		
6. Supports combustion (burning)		
7. Sour taste		
8. Melting point		
9. Reacts with water to form a gas		
10. Reacts with a base to form water		
11. Sturdiness		
12. Boiling point		
13. Can neutralize an acid		
14. Luster		
15. Odor		

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