

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

**A physical property** is observed with the senses and can be determined without destroying the object or material. For example, colour, shape, mass, density, length, and odor are examples of physical properties.

**A chemical property** indicates how a substance reacts with something else. The original substance or object is fundamentally changed in observing a chemical property. For example, the ability of iron to rust is a chemical property. The iron reacts with oxygen, and the original iron metal is changed. Now it exists as iron oxide, a different substance.

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

	Physical Property	Chemical Property
1. blue colour		
2. density		
3. flammability		
4. solubility		
5. reacts with acid to form H <sub>2</sub>		
6. supports combustion (burning)		
7. sour taste		
8. melting point		
9. reacts with water to form a gas		
10. reacts with water		
11. hardness		
12. boiling point		
13. breaks easily		
14. is magnetic		
15. good conductor of heat and electricity		