

# CHEMICAL VS PHYSICAL PROPERTIES

1. What are the differences between physical and chemical properties?

2. Identify the following as a chemical property (CP) or physical property (PP):

- |                         |       |                           |       |
|-------------------------|-------|---------------------------|-------|
| a. blue color           | _____ | l. solubility (dissolves) | _____ |
| b. boiling point        | _____ | m. sour taste             | _____ |
| c. density              | _____ | n. supports combustion    | _____ |
| d. flammability (burns) | _____ |                           |       |
| e. hardness             | _____ |                           |       |
| f. luster               | _____ |                           |       |
| g. melting point        | _____ |                           |       |
| h. odor                 | _____ |                           |       |
| i. reacts with acid     | _____ |                           |       |
| j. reacts with air      | _____ |                           |       |
| k. reacts with water    | _____ |                           |       |

Name : \_\_\_\_\_

Date : \_\_\_\_\_

# CHEMICAL VS PHYSICAL PROPERTIES

## Answers

1. What are the differences between physical and chemical properties?

A physical property can be observed or measured without changing the substance, like color, density, hardness, and melting and boiling points. Chemical properties are the abilities of substances to react either by themselves or with another substance.

2. Identify the following as a chemical property (CP) or physical property (PP):

a. blue color	<u>PP</u>	l. solubility (dissolves)	<u>PP</u>
b. boiling point	<u>PP</u>	m. sour taste	<u>PP</u>
c. density	<u>PP</u>	n. supports combustion	<u>CP</u>
d. flammability (burns)	<u>CP</u>		
e. hardness	<u>PP</u>		
f. luster	<u>PP</u>		
g. melting point	<u>PP</u>		
h. odor	<u>PP</u>		
i. reacts with acid	<u>CP</u>		
j. reacts with air	<u>CP</u>		
k. reacts with water	<u>CP</u>		

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