

## Practice Worksheet: Physical vs. Chemical Properties

### Part A

Multiple Choice. Circle the answer that best completes the sentence.

1. ( Physical or Chemical ) properties of a substance can be easily observed.
2. One can use their five senses to determine the ( Physical or Chemical ) properties of a substance.
3. ( Physical or Chemical ) properties usually describe how a substance reacts.
4. ( Physical or Chemical ) properties are not as easy to observe.
5. ( Physical or Chemical ) properties can always be observed.

### Part B

Identify whether the following are physical (P) or chemical (C), or both (PC)

1. A piece of ice melts and reacts with sodium. \_\_\_\_\_
2. Mix salt and pepper. \_\_\_\_\_
3. Chocolate syrup is dissolved in milk. \_\_\_\_\_
4. A marshmallow is toasted over a campfire. \_\_\_\_\_
5. A marshmallow is cut in half. \_\_\_\_\_

### Part C

Identify the following as a chemical (C) or physical property (P)

- |                                   |                          |
|-----------------------------------|--------------------------|
| i. Flammability (burns) _____     | ii. Hardness _____       |
| iii. Solubility (dissolves) _____ | iv. Boiling point _____  |
| v. Reacts with acid _____         | vi. Luster _____         |
| vii. Supports combustion _____    | viii. Odor _____         |
| ix. Sour taste _____              | x. Reacts with air _____ |

## Practice Worksheet: Physical vs. Chemical Properties

### Answers

#### Part A

Multiple Choice. Circle the answer that best completes the sentence.

1. ( Physical ) or Chemical ) properties of a substance can be easily observed.
2. One can use their five senses to determine the ( Physical ) or Chemical ) properties of a substance.
3. ( Physical or Chemical ) properties usually describe how a substance reacts.
4. ( Physical or Chemical ) properties are not as easy to observe.
5. ( Physical ) or Chemical ) properties can always be observed.

#### Part B

Identify whether the following are physical (P) or chemical (C), or both (PC)

1. A piece of ice melts and reacts with sodium. PC
2. Mix salt and pepper. P
3. Chocolate syrup is dissolved in milk. P
4. A marshmallow is toasted over a campfire. C
5. A marshmallow is cut in half. P

#### Part C

Identify the following as a chemical (C) or physical property (P)

- |                                      |                             |
|--------------------------------------|-----------------------------|
| i. Flammability (burns) <u>C</u>     | ii. Hardness <u>P</u>       |
| iii. Solubility (dissolves) <u>P</u> | iv. Boiling point <u>P</u>  |
| v. Reacts with acid <u>C</u>         | vi. Luster <u>P</u>         |
| vii. Supports combustion <u>C</u>    | viii. Odor <u>P</u>         |
| ix. Sour taste <u>P</u>              | x. Reacts with air <u>C</u> |