

Deep Run High School

CHEMISTRY I: 3(A), 5(A), 7(A)

## HW Check #1 - Types of Change

Due Date: October 1, 2019

Instructors: Jennifer Krug, Mr. Wilson

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

Score:  / 100

**Instructions:**

You have **2 attempts** to get your highest score. You will have **15 minutes** to complete this warm up.

You may use your work from **Unit 2 HW 1 - Physical vs Chemical Changes** and any class notes, while taking this assessment.

Question 1

/1

**Select ALL of the following that show evidence of chemical changes.**

- ☐ alcohol evaporates
- ☐ milk turns sour
- ☐ water freezing into ice
- ☐ silver becomes tarnished
- ☐ metal expands when heated

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

Question 2

/1

**A characteristic of a pure substance that can be observed without changing it into another substance is –**

- ☐ a chemical reaction.
- ☐ a physical property.
- ☐ a chemical property.
- ☐ exothermic reaction.

Question 3

/1

**Epsom salt, which is composed of magnesium chloride, dissolves in water. This is an example of**

- ☐ a physical change.
- ☐ a physical property.
- ☐ a chemical property.
- ☐ a chemical change.

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

Question 4

/1

**The weatherman announced a frost warning for tomorrow morning. Is frost a physical change or a chemical change?**

☐ physical change

☐ chemical change

Question 5

/1

**A sample of copper metal has a density of 8.96 g/ml. Is this a physical or chemical property of the metal?**

☐ physical property

☐ chemical property

Question 6

/1

**Which of the following shows evidence of a chemical change?**

☐ gluing a piece of wood to a piece of plastic

☐ bending a piece of wire for an experiment

☐ cutting a piece of sodium metal with a knife

☐ burning methane in the presence of oxygen

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

Question 7

/1

**Oxygen is a flammable gas, and carbon dioxide is non-flammable gas. Is flammability a physical or chemical property of these gases?**

- ☐ physical property
- ☐ chemical property

Question 8

/1

**Select ALL of the following that are a physical properties?**

- ☐ flammability
- ☐ boiling point
- ☐ solubility (ability to dissolve)
- ☐ oxidation
- ☐ density