

Deep Run High School

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

HW Check #2 Classifying Matter

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 2 - Classifying Matter** and any class notes, while taking this assessment.

Question 1

Which of the following is the definition of a homogeneous mixture?

- ☐ matter composed of one type of atom
- ☐ a combination of matter that varies in appearance
- ☐ matter composed of more than one type of atom
- ☐ a combination of matter that has a uniform appearance

Question 2

A blueberry muffin would be classified as

- ☐ a colloid
- ☐ a mechanical mixture
- ☐ a suspension
- ☐ a solution

Name: _____

Question 3

Which of the following would be classified as a heterogeneous mixture?

☐

air

☐

magnesium

☐

soil

☐

brass

Question 4

Which of the following is an element?

☐

oxygen gas (O_2)

☐

water (H_2O)

☐

sugar ($C_{12}H_{22}O_{11}$)

☐

sodium chloride ($NaCl$)

Name: _____

Question 5

Select ALL of the following that are classified as heterogeneous mixtures.

☐ mechanical mixture

☐ solution

☐ colloid

☐ suspension

Question 6

A solution is a type of

☐ element

☐ heterogeneous mixture

☐ homogeneous mixture

☐ compound

Name: _____

Question 7

Paint on the walls would be classified as

- ☐ a solution
- ☐ a mechanical mixture
- ☐ a suspension
- ☐ a colloid

Question 8

Coca cola would be classified as

- ☐ a solution
- ☐ a mechanical mixture
- ☐ a colloid
- ☐ a suspension

Instructions for grading: Grade each question and tally the score to obtain the total test points. If the factor does not equal 1, multiply the total points by the factor to obtain the student's final score.

Question 1

Which of the following is the definition of a homogeneous mixture?

☐ a combination of matter that has a uniform appearance

1 possible pts.

Question 2

A blueberry muffin would be classified as

☐ a mechanical mixture

1 possible pts.

Question 3

Which of the following would be classified as a heterogeneous mixture?

☐ soil

1 possible pts.

Question 4

Which of the following is an element?

☐ oxygen gas (O₂)

1 possible pts.

Question 5

Select ALL of the following that are classified as heterogeneous mixtures.

☐ mechanical mixture

☐ colloid

☐ suspension

1 possible pts.

Question 6

A solution is a type of

☐ homogeneous mixture

1 possible pts.

Question 7

Paint on the walls would be classified as

☐

a colloid

1 possible pts.

Question 8

Coca cola would be classified as

☐

a solution

1 possible pts.