

TEST NAME: **PSc 1.3 Classification of Matter Spring 2018**
TEST ID: **2181351**
GRADE: **09 - Ninth Grade - 12 - Twelfth Grade**
SUBJECT: **Life and Physical Sciences**
TEST CATEGORY: **School Assessment**

Student: _____

Class: _____

Date: _____

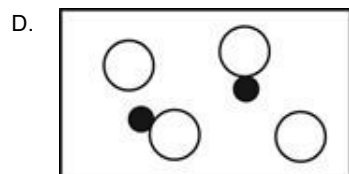
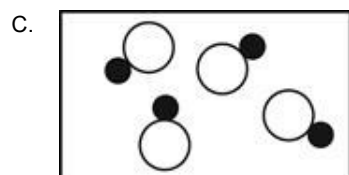
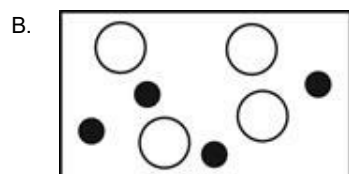
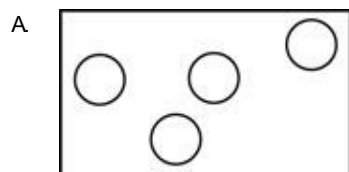
1. Which cannot be broken down chemically into simpler substances?

- A. solutions
- B. colloids
- C. compounds
- D. elements

2. Alyssa investigates properties of matter. Which question would she ask to determine whether a substance is an element or a compound?

- A. What is the radius of each particle of the substance?
- B. Does the substance contain more than one type of atom?
- C. Was a chemical reaction necessary to create the substance?
- D. What is the electrical charge of the particles of the substance?

3. The light and dark circles in the pictures below represent different types of atoms. Which picture best represents a pure compound?



4. What do any two samples of the element mercury (Hg) have in common?

- A. the same mass
- B. the same volume
- C. the same type of atoms
- D. the same number of electrons

5. Which of the following is an example of **Homogenous** matter?

- A. Sugar Water
- B. Beach sand
- C. Chocolate chip icecream
- D. Soil