

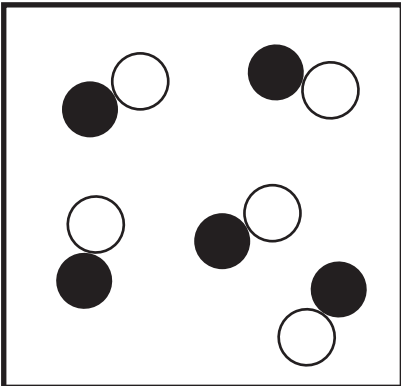
# SHOW what you KNOW

## ELEMENTS, COMPOUNDS, & MIXTURES

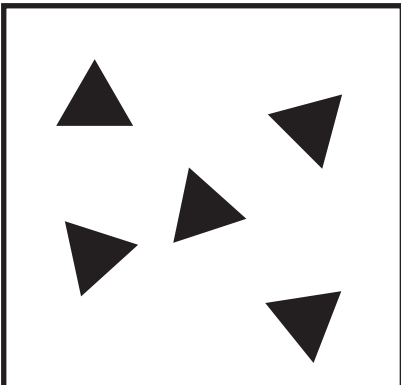
Name: \_\_\_\_\_

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

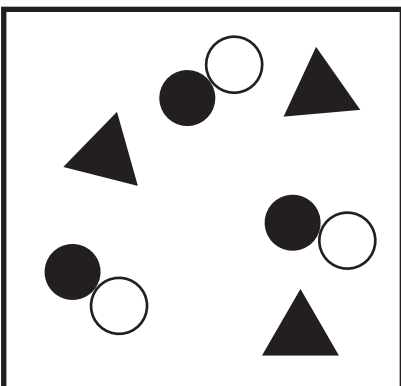
1. Identify.



A: \_\_\_\_\_



B: \_\_\_\_\_



C: \_\_\_\_\_

Answer the following questions.

2. A pure substance made of two or more elements chemically combined is a(n)

- a. element
- b. compound
- c. mixture

3. A substance made up entirely of one type of atom is a(n)

- a. element
- b. compound
- c. mixture

4. A substance made up two or more types of atoms that are NOT chemically combined is called a(n)

- a. element
- b. compound
- c. mixture

5. Identify each of the following as an element (E) or a compound (C).

\_\_\_\_\_ sulfur (S)

\_\_\_\_\_ methane (CH<sub>4</sub>)

\_\_\_\_\_ carbon dioxide (CO<sub>2</sub>)

\_\_\_\_\_ water (H<sub>2</sub>O)

\_\_\_\_\_ aluminum (Al)

\_\_\_\_\_ nitrogen (N)

6. A dish is given to you, which contains a blackish-yellow powder. When you move a magnet over it, black particles fly upwards and get stuck to the magnet. All that's left in the dish is a yellow powder, which you discover to be sulphur.

Was your original powder an element, compound, or mixture and how do you know?