

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

# Elements, Compounds & Mixtures

Directions: Read through each question & find the correct answer in one of the 3 columns below. Shade in the answer box with the color given & then color the picture on the next page accordingly.

\*If the color is white, just circle the answer.

#	Question	Answer Choice A	Answer Choice B	Answer Choice C
1	What is a substance that cannot be broken down into any other substances by physical or chemical means?	An element Color BLACK	A compound Color RED	A mixture Color BLUE
2	Which of the following is a mixture?	Water (H <sub>2</sub> O) Color BROWN	Gold Color ORANGE	Kool-Aid Color GREEN
3	What is a mixture that appears to be a single substance, but it is actually composed of 2 or more substances that are distributed evenly amongst each other?	A solution Color LIGHT GREEN	A suspension Color PURPLE	A colloid Color LIGHT BLUE
4	Which of the following is NOT a homogeneous mixture?	Salad Color YELLOW	Honey Color ORANGE	Soy sauce Color RED
5	What is a compound?	2 or more substances that are together in the same place, but their atoms are not chemically bonded Color GRAY	The basic particle from which all elements are made Color BROWN	A substance made of 2 or more elements that are chemically combined in a set ratio Color RED
6	Which of the following is a compound?	Copper Color PURPLE	Carbon dioxide (CO <sub>2</sub> ) Color LIGHT BLUE	Dirt Color PINK
7	Which of the following can be broken down by physical means?	An element Color ORANGE	A compound Color PINK	A mixture Color GREEN
8	The substance that is being dissolved in a solution is the _____.	Solvent Color BLACK	Molecule Color RED	Solute Color PURPLE
9	Which of the following is an element?	Hydrogen Color BROWN	Pizza Color YELLOW	Methane (CH <sub>4</sub> ) Color BLACK
10	Which of the following is NOT a pure substance?	An element Color GREEN	A compound Color GRAY	A mixture Color BLUE
11	Which method would you use to separate a mixture of iron filings & sand?	Filtration Color PURPLE	Magnetic attraction Color GRAY	Evaporation Color TAN
12	Which of the following is a colloid?	Muddy water Color YELLOW	Mayonnaise Color WHITE	Tea Color RED
13	Which of the following is a suspension?	Italian salad dressing Color DARK GREEN	Whipped cream Color BROWN	Gelatin Color ORANGE

