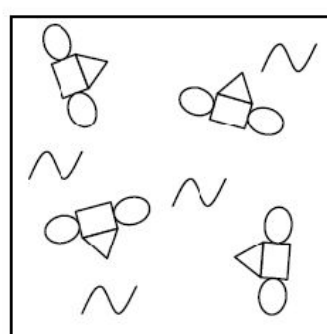
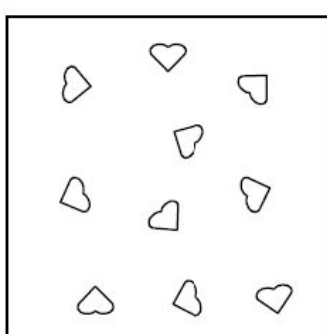
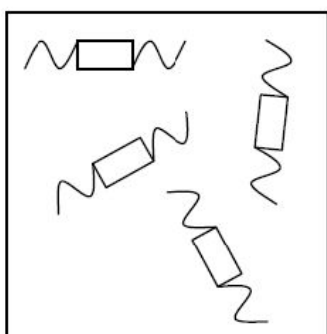
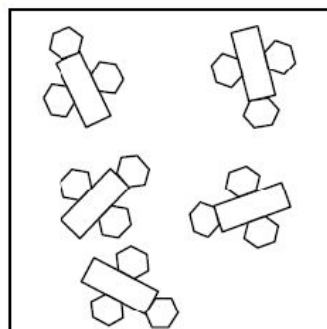
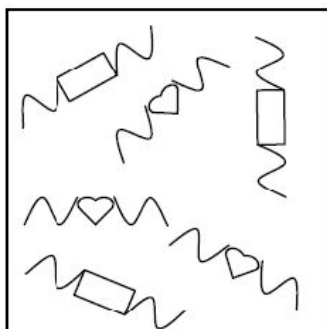
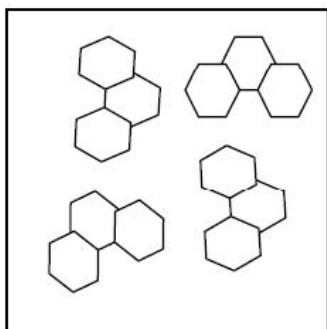


Name:

## Assessment Questions:

1. Identify each of the drawings below as an element, a compound or a mixture.



2. Identify each of the common items below as an element, a compound or a mixture. Their chemical formulas have been given to help you out.

- |  |   |
|--|---|
| a) Sugar ( $C_6H_{12}O_6$ )                                    | g) Gold (Au)  |
| b) Phosphorous ( $P_4$ )                                       | h) Granite ( $SiO_2$ & $KAlSi_3O_3$ & $K_3Si_3O_{10} \dots$ ) |
| c) Battery Acid ( $H_2SO_4$ )                                  | i) Drain Cleaner (Al & NaOH & ...)                            |
| d) Air ( $N_2$ & $O_2$ & Ar & $CO_2 \dots$ )                   | j) Sodium (Na)  |
| e) Oxygen ( $O_2$ )  | k) Water ( $H_2O$ )   |
| f) Milk ( $C_6H_{12}O_6$ & $H_2O$ & $C_{50}H_{102}O_3 \dots$ ) | l) Salt Water (NaCl & $H_2O$ )                                |

### Circle the best answer for #3

3. Which of the following is **NOT** a true statement?

- Two or more atoms held together with bonds make up a molecule.
- Pure substances are made of only one type of atom.
- At least two types of atoms are required to make a compound.
- Mixtures can be made of two elements, two compounds or an element & a compound.

On the lines below, explain why the answer you chose for #3 is correct.

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## STICKY NOTE SORT LIST

- laundry detergent (contains white and blue crystals)
- sugar ( $C_6H_{12}O_6$ )
- limestone ( $CaCO_3$ )
- orange juice (water and pulp)
- air
- aluminum (Al)
- soil
- chromium (Cr)
- baking soda ( $NaHCO_3$ )
- salt water ( $NaCl$  and  $H_2O$ )
- benzene ( $C_6H_6$ )
- muddy water
- brass (Cu mixed with Zn)
- pizza
- Iron fillings (Fe)
- blood
- milk
- ammonia ( $NH_3$ )
- hydrogen (H)
- gasoline