## KARAN PARIDA STD-VI, SEC-A School No-7912

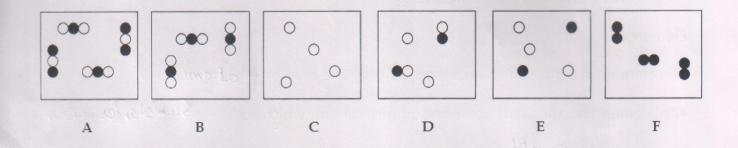
## WORKSHEET

Read the following information on the classification of matter

1. Fill in the blanks where necessary. Flements: •An element is a pure substance made of only one type of \_\_\_\_\_\_ •An element has the same composition throughout, which is called Substances ·An element CannOt be separated into simpler materials by physical means. Over 100 existing elements are listed and classified on the perodic fable Compounds: •A compound has the same composition throughout, which is called \_\_\_\_\_\_ be separated into simpler materials by physical means. · Compounds Cannot Separating a compound requires a chemical reaction. •The properties of a compound are usually different than the properties of the elements it contains. 2. Classify each of the following as elements (E), compounds (C) or Mixtures (M). Write the letter X if the example is not matter MMilk Diamond (C) CSugar (C6H12O6) **M**Gasoline C Sulfuric Acid (H<sub>2</sub>SO<sub>4</sub>) MAir EUranium (U) Bismuth (Bi) EKrypton (K) M Pail of Garbage C Alcohol (CH3OH) C Water (H2O) \* Energy CSalt (NaCl) C Ammonia (NH<sub>3</sub>) MInk M Bronze MWood ETitanium (Ti) C Baking Soda (NaHCO3) CDry Ice (CO2) □ Gold (Au) Firon (Fe) M Popcom M Concrete X Electricity

KARAM PAG

Match each diagram with its correct description. Diagram choices will be used only once.



- C 1. Pure element only one type of atom present.
- B 3. Pure compound only one type of compound present.
- A 4. Mixture of two compounds two types of compounds present.
- 1 5. Mixture of a compound and an element.
- 6. Diatomic molecule a pure substance of two of the same atom bonded together

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Column A lists a substance. In Column B, list whether the substance is an element, a compound, a heterogeneous mixture, or a solution

(Remember a solution is a homogeneous mixture.) In Column C, list one physical properties of the substance.

Column A	Column B	Column C
1. Summer Sausage	Heterogoneous	Brown
2. Steam	Compound	Gas
3. Salt Water	Solution	liquid
4. Pencil lead (Pb)	Element	Solid
5. Dirt	Heterogeneo us	Solid
6. Silver (Ag)	Element	Solid
7. Toothpaste (Na <sub>2</sub> HPO <sub>4</sub> )	Canpound	White
8. Italian Dressing	Heterogeneous	Lig wid
9. Lemonade	Solution	liquid.

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