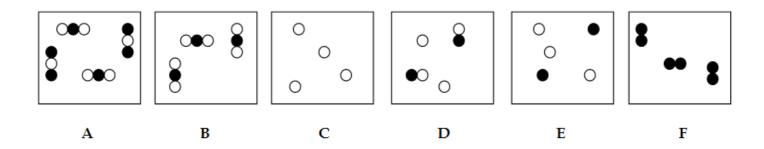
WORKSHEET

Read the following information on the classification of matter

1. Fill	i <mark>n the blan</mark> ks w	<mark>rhere necessary.</mark>		
Elements	:			
•An elem	e <mark>nt is</mark> a p <mark>ure</mark> su	ostance made of only one	type of	·
•An elem	e <mark>nt h</mark> as t <mark>he s</mark> am	e composition throughou	t, which is called	
•An elem	ent	be separated into sim	ipler materials by ph <mark>ysica</mark>	l means.
•Over 100) <mark>existing ele</mark> me	<mark>nts</mark> ar <mark>e list</mark> ed <mark>an</mark> d classifie	d on the	·
Compoun	ds:		COVI	
•Compou	nds are pure su	bstances made of more th	an one type of	and
are		·		
•A compo	ound has the sa	me composition througho	ut, which is called	
•Compounds		be separated	into simpler materials by	physical means
Separatin	g a compound i	equires a chemical reaction	on.	
	perties of a comit it contains.	pound are usually	than the pr	operties of the
	ssify each of the fo example is not ma	llowing as elements (E), comp	ounds (C) or Mixtures (M). W	rite the letter X if
Ai Kr Wa Ar Dr Iro	amond (C) r ypton (K) ater (H ₂ O) nmonia (NH ₃) ood y Ice (CO ₂) on (Fe)	Sugar (C ₆ H ₁₂ O ₆)Sulfuric Acid (H ₂ SO ₄)Bismuth (Bi)Alcohol (CH ₃ OH)Salt (NaCl)BronzeBaking Soda (NaHCO ₃)Popcorn	MilkGasolineUranium (U)Pail of GarbageEnergyInkTitanium (Ti)Gold (Au)	

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



- ___1. Pure element only one type of atom present.
- ____2. Mixture of two elements two types of uncombined atoms present.
- ____3. Pure compound only one type of compound present.
- __4. Mixture of two compounds two types of compounds present.
- ___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		
2. Steam		
3. Salt Water		
4. Pencil lead (Pb)		
5. Dirt		
6. Silver (Ag)		
7. Toothpaste (Na ₂ HPO ₄)		
8. Italian Dressing		
9. Lemonade		

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