

Objective Question

Fill in the blank

- (a) Atomicity refers to the number of atoms in the molecule of an element.
- (b) The most abundant element in the earth's crust is oxygen.
- (c) A metal which is a liquid at room temperature is mercury.
- (d) The most abundant element in the atmosphere is nitrogen.
- (e) A metal which is a poor conductor of ~~element~~ electricity is tungsten.
- (f) A diatomic gaseous element is oxygen.

(g) All good non-metals brittle

2. Match the columns:

Column A

Column B

(a) Metals

(i) Non-reactive

(b) Molecules

(ii) Brittle

(c) Non-metals

(iii) Lustrous

(d) Noble gases

(iv) Smallest of compound

3. Indicate whether the following statement are true or false.

are true or false.

(a) A compound is made up of just one kind of atom False.

(b) Metals reflect light and are good conductors of electricity. True

(c) ~~A metal which~~ Metals can be polished. True

(d) Elements are made up of ~~em~~ compound. False

(e) All elements are ~~not~~ artificially prepared
False

(f) Molecules can exist independently.

True

(g) Molecules combine to form atoms. False

(h) Noble gases are highly reactive. False

(i) Ozone is a triatomic molecule. True

(7) Write the molecular formulae of compounds

calcium oxide, hydrogen sulphide, carbon

monoxide and lead sulphide?

Ans: Compound calcium oxide is formed of elements calcium (Ca) and oxygen (O)

Symbols combining power Here subscript number is same CaO Compound Hydrogen

sulphide is formed of elements

Symbols combining H_2S

Compound carbon monoxide is compound

of elements carbon (C) and oxygen (O)

Formula of carbon monoxide is CO

Formula of lead sulphide is PbS

Symbols combining power Pb_2S_2

~~8. Give two examples~~

8. Give two examples each of compounds

existing in the following states:

(a) Solid (b) Liquid (c) Gaseous:

Ans (a) Solid - book, chair

(b) Milk, ~~water~~ liquid - juice, milk

(c) Gaseous - Nitrogen, oxygen