

Answers

1. fill in the blanks :

- (a) Atomicity refers to the number of atoms in the molecules of an element.
- (b) The most abundant element in the earth crust is oxygen.
- (c) A metal which is liquid at room temperature is Mercury.
- (d) The most abundant element in the atmosphere is Nitrogen.
- (e) A metal which is poor conductor of electricity is tungsten.
- (f) A diamagnetic gaseous element is Oxygen.
- (g) A liquid non-metal is Bromine.

2. Match the columns :

Column A

Column B

- | | |
|-----------------|--------------------------------|
| (a) Metals | (i) Non-Reacting |
| (b) Molecules | (ii) Brittle |
| (c) Non-metals | (iii) Lustrous |
| (d) Noble Gases | (iv) Smallest unit of compound |

3. Indicate whether the following statement true or false.

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

A correct statement: A compound is made up of two or more elements, in a fixed proportion by mass.

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

A True

(c) Metals can be polished.

A True

(d) Elements are made up of compounds.

A false

correct statement: Elements are made ^{up} of atoms.

(e) All elements are artificially prepared.

A - false

correct statement: All elements are made up of a limited number of basic substances.

(f) Molecules are exist independently.

A - True

(g) Molecules combine to form atoms.

A - false

correct: Atoms combine to form molecules.

(h) Noble gases are highly reactive.

A - false

correct - Noble gases are non-reactive.

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(Q) Ozone is a triatomic molecules.

A True.

Home Assignment

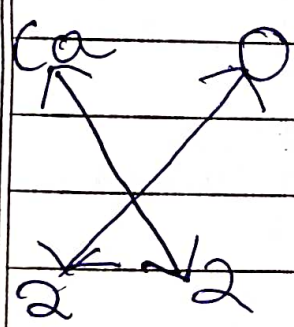
1 Exercise - ~~11~~ 2 - Q7 & 8

2 Formula of iron oxide, calcium oxide, sodium oxide, zinc chloride

Answers

1 Exercise :

7 Compounds the ~~molecular~~ calcium oxide is formed of elements calcium (Ca) and Oxygen (O)



Symbols combining power hence subscript number is same Ca formula of calcium oxide is CaO compounds Hydrogen sulphide is formed of elements hydrogen (H), Sulphide (S)

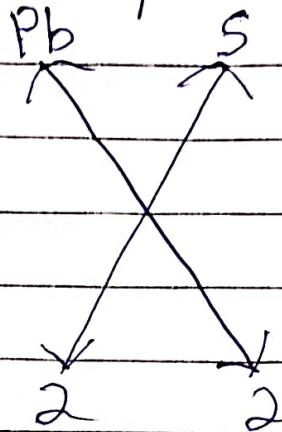


Symbols combining power
Formula is H₂S

Compounds Carbon monoxide is compound of elements carbon (C) and oxygen (O)

Formula of carbon monoxide is CO

Formula of lead sulphide PbS



Symbols combining power



Here the subscript number is same.

- 8- a. Solid - Table, chair
b. Liquid - Milk, water
c. Gaseous - Oxygen, Nitrogen

- 2- iron oxide → Fe₂O₃
calcium oxide → CaO
sodium oxide → Na₂O
zinc chloride → ZnCl₂