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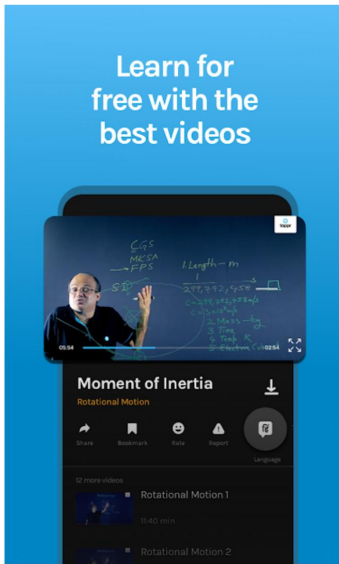
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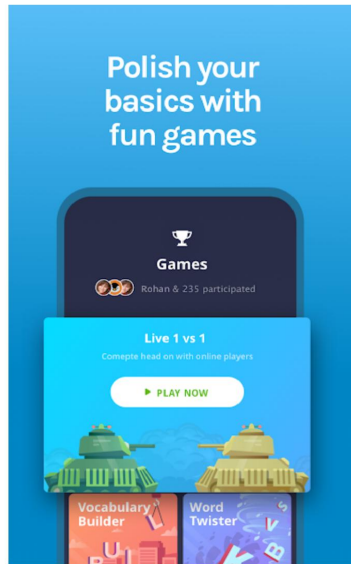


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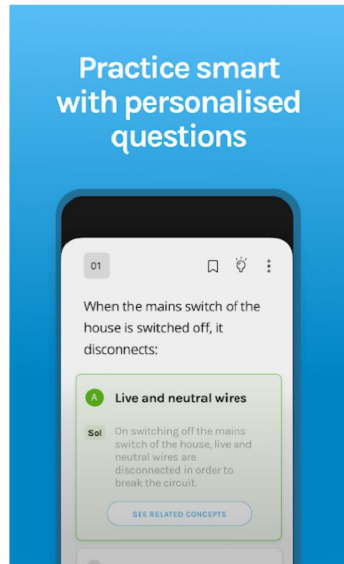
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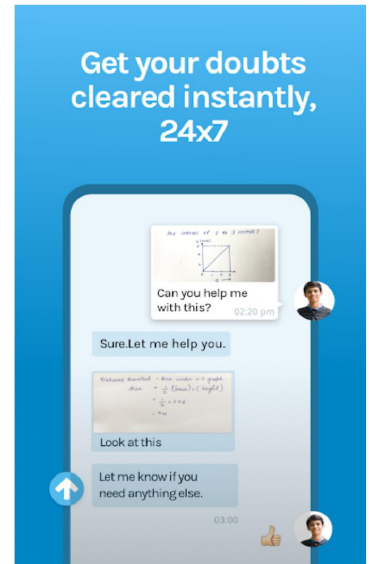
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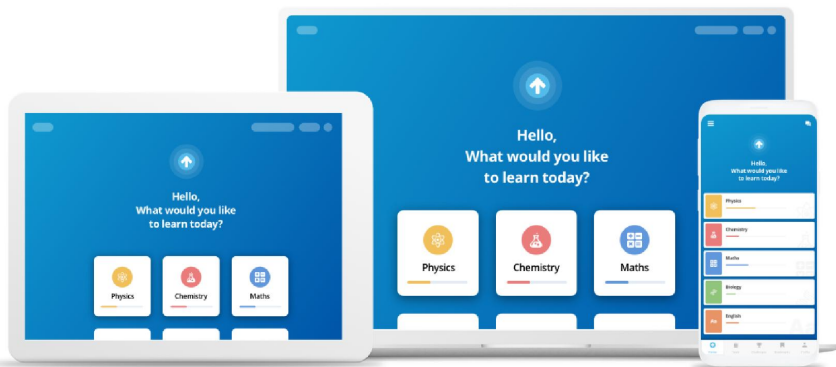
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Q.1. The ores that are concentrated by floatation method are

A Carbonates

B Sulhides

C Oxides

D Phosphates

SOLUTION

In floatation process, the ore particles should have areofillic in preference to gangue particles. Sulphide ores having this characters.

Q.2. The process employed for the purification of copper with cuprous oxide as the impurity is:

A poling

B liquation

C electrolytic process

D oxidation

SOLUTION

Poling is a method employed in the purification of copper which contains cuprous oxide as an impurity.

Q.3. The extraction of metal from the ore is :

A an oxidation process

B a reduction process

C a hydration process

D a neutralisation process

SOLUTION

Extraction of metal from the ore is a reduction process as in this process, metal ion gets reduced to metals.

Q.4.

Electromagnetic separation is employed for the concentration of those ores in which _____.

A the ore is magnetic

B the gangue is magnetic

C both the ore and the gangue are magnetic

D either the ore or the gangue is magnetic

SOLUTION

Electromagnetic separation is employed for the concentration of those ores in which either the ore or the gangue is magnetic.

Q.5.

If an ore contains impurity of SiO_2 , identify the appropriate flux for the removal of it:

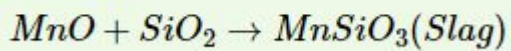
A MnO

B P_4O_{10}

C CO_2

D SO_2

SOLUTION



Q.6.

Aluminium is obtained from Al_2O_3 by _____.

A Thermal reduction

B Hydro metallurgical method

C Electrolytic reduction

D Reduction by iron

SOLUTION

Aluminium is obtained from alumina using electrolytic process.

Q.7. Impurities found in ores are called:

A mud

B gangue

C electrolyte

D none of the above

SOLUTION

Ores mined from the earth are usually contaminated with large amount of impurities such as soil, sand etc known as gangue.

Q.8. The chemical method used in the concentration of ore is also known as:

A Bleaching

B Leaching

C Roasting

D Calcination

SOLUTION

Chemical method used in concentration of ore is also known as Leaching.

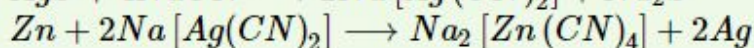
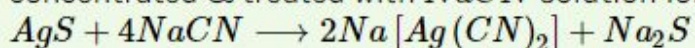
Q.9. Silver can obtained from silver glance by:

- A from floatation followed by polling
- B leaching by $NaCN$ followed by thermal reduction
- C leaching by $(NaCN + O_2)$ followed cupellation
- D none of these

SOLUTION

Silver is extracted from Ag_2S

The process of extraction is called cyanide process. The ore is crushed, concentrated & treated with $NaCN$ solution followed by Zn dust.



Q.10. In froth flotation process, pine oil is usually added to the gangue particles in the ore.

- A True
- B False

SOLUTION

In froth flotation process, pine oil is usually added to the suspension of the powdered ore. Pine oil enhance non-wettability of the mineral particles.