

WELCOME TO THE ONLINE CLASS

SESSION NO.: 8

CLASS: 5

SUBJECT: SCIENCE

CHAPTER NUMBER: 7

CHAPTER NAME: ROCKS AND MINERALS

**SUB TOPIC: MINERALS-METALLIC MINERALS AND
NON-METALLIC MINERALS**

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

To enable the learner to:

- understand about minerals
- know about different types of minerals
- define metallic minerals and non-metallic minerals
- know about the ores from which the minerals are obtained

RECAPITULATION

- Name the metamorphic rock made from shale.
- The molten fluid that reaches the surface of the earth is called_____.
- Limestone is made up of a mineral called_____.
- Name the metamorphic rock made from granite.
- Give an example of a monument which is made out of marble.

MINERALS



- These are the underground natural resources.

TYPES OF MINERALS



Iron



Copper



Gold

Metallic Minerals



Coal



Petroleum

Non-metallic Minerals

METALLIC MINERALS

- Ores are the rocks from which some minerals can be profitably obtained.
- For e.g.:



Haematite is an ore of iron.



From bauxite we get aluminium.



Pyrite gives us copper.



Zinc is obtained from calamine.

USES OF METALLIC MINERALS

Metallic minerals are used to make:



**Utensils,
Machines**



Furniture



Wires

USES OF METALLIC MINERALS

Metallic minerals are used to make:



Coins



Trains



Jewellery



Aeroplane

NON-METALLIC MINERALS

- Coal and petroleum are valuable underground resources.
- They provide us with energy.



Coal



Petroleum

SUMMARY

- **Minerals are underground natural resources.**
- **There are two types of minerals- metallic and non-metallic.**
- **Haematite, calamine,pyrite and bauxite are some ores.**
- **Gold, silver and platinum are used to make jewellery.**
- **Coal and petroleum are valuable to us.**

READY FOR A
QUIZ ?

<https://create.kahoot.it/share/rocks/19cb76e0-7890-4c7a-a414-985acea7128d>

1. Define minerals.

Ans: Minerals are underground natural resources.

2. Give some examples of ores.

Ans: Haematite, calamine, pyrite and bauxite

3. What do you call the ore of aluminium?

Ans: Bauxite

4. Name some precious metals.

Ans: Gold, silver, platinum

HOMework

Mrs Sinha also bought some metal utensils for the house. Which metals do you think these utensils could be made of?

C. Write short answer.

4. Name two valuable underground resources.

Ans: Coal and petroleum are two valuable underground resources.

5. Name any two places in India where coal mines are situated.

Ans: In India, coal mines are situated in:

Sohagpur in Madhya Pradesh,

Dhanbad in Jharkhand,

Raniganj in West Bengal,

Nayveli in Tamil Nadu

Singareni in Telangana.

LEARNING OUTCOME

The learner will be able to:

- **understand about minerals**
- **know about different types of minerals**
- **define metallic minerals and non-metallic minerals**
- **know about the ores from which the minerals are obtained**

THANKING YOU
ODM EDUCATIONAL GROUP