

BIJENDRA PUBLIC SCHOOL

Class : 5

Subject : Science

Chapter - 6 Rocks and Minerals

A. Objective - type questions

1. Circle the correct answer

a. Which of these is not an igneous rock?

Ans. Shale

b. This is a sedimentary rock.

Ans. Sandstone

c. This is a mineral used to make glass.

Ans. Silica

d. It is a metamorphic rock formed from limestone.

Ans. Marble

2. Match the following.

a. Talc - Used to make talcum powder

b. Tungsten - Used to make wires inside bulbs

c. Gemstones - Used to make jewellery

d. Coal - Used as a source of fuel

e. Magnetite - Natural magnet

3. Rewrite these sentences correctly.

a. People who study rocks and minerals are called gemologist.

Ans. People who study rocks and minerals are called geologists.

b. Igneous rocks are formed when pressure and temperature are applied on metamorphic rocks.

Ans. Metamorphic rocks are formed when pressure and temperature are applied on igneous and sedimentary rocks.

c. Sedimentary rocks are formed from little pieces of igneous rocks.

Ans. Sedimentary rocks are formed from little pieces of rock are broken down and worn away by wind and water.

d. All minerals are made of rocks.

Ans. Rocks are made of minerals.

4. Tick the odd one

a. Igneous, sand, sedimentary, metamorphic

Ans. Sand

b. Marble, basalt, obsidian, Pumice

Ans. Marble

c. Marble, slate, quartzite, conglomerate

Ans. Conglomerate

d. Conglomerate, slate, shale, limestone

Ans. Slate

e. Gemstones, magnetite, graphite, sandstone

Ans. Sandstone

5. Give one word answer.

- | | | |
|----|--|---------------|
| a. | Rocks are made of this | Minerals |
| b. | These are also called fire rocks | Igneous rocks |
| c. | Talcum powder is made from this | Talc |
| d. | Metals are obtained from rocks called this | Ores |

B. Subjective- type questions

1. Short - answer questions

a. Name the three types of rocks.

Ans. The three types of rocks are -

- a. Igneous rock
- b. Sedimentary rock
- c. Metamorphic rock

b. What are minerals? Give two examples.

Ans. Minerals are naturally occurring chemical substances. Example - Silica and talc.

c. Which rock is used to make blackboards and roof tiles?

Ans. Slate rocks are used to make blackboards and roof tiles.

d. Give two examples of each of the following.

- | | | | |
|---------|-------------------|---|------------------|
| Ans. i. | Igneous rocks | - | Granite, Pumice |
| ii. | Metamorphic rocks | - | Marble, Slate |
| iii. | Sedimentary rocks | - | Shale, Sandstone |

2. Long answer questions.

a. How are igneous rocks formed?

Ans. Igneous rocks are formed when magma cools down slowly and solidifies. Some igneous rocks are formed when the lava cools.

b. Briefly describe how sedimentary rocks are formed.

Ans. Sedimentary rocks are formed by the deposition of layers of rock particles one over the other. The little pieces of rocks are broken and worn away by wind and water.

c. Differentiate between shale and slate.

Ans. Shale

i. These rocks are sedimentary rocks made from the deposition of mud and clay.

ii. It is used in making tiles and bricks.

Slate

i. These rocks are metamorphic rocks formed from the sedimentary rocks.

ii. It is used to make blackboards and roof tiles.

d. How are metamorphic rocks formed?

Ans. Metamorphic rocks are formed from igneous and sedimentary rocks. When heat and pressure are applied to these rocks they change their form completely to form metamorphic rocks.

e. Write one use each of any three minerals.

Ans. The various uses of minerals are -

- i. Minerals such as potassium and nitrates make the soil fertile.
- ii. Minerals such as coal is used as fuel for cooking.
- iii. Gemstones are also minerals used to make jewellery.
Example - Diamond and Ruby.