

# **St. Andrews Scots Senior Secondary School**

**9<sup>th</sup>, Avenue, I.P Extension, Patparganj**

**Class-V**

**Sub-Science**

**Session- 2024- 2025**

## **Lesson -8 Rocks and Minerals**

- **Reading of the chapter**
- **Explanation (will be done in class)**

**(Textbook exercise)**

- **A. Tick the correct answer.**

- 1. Granite**
- 2. Igneous**
- 3. Petroleum**
- 4. Marble**

- **B.Fill in the blanks.**

- 1. lava**
- 2. ores**
- 3. Sandstone**
- 4. Coal, Petroleum**

- **C. Write whether the following statements are true or false.**

- 1. False**
- 2. False**
- 3. True**
- 4. False**

- **D Give two examples of each of the following .**
  - 1 Granite, Basalt
  - 2 Sandstone, Limestone
  - 3 Marble, Slate
  - 4 Iron, Copper
  - 5 Coal, Petroleum

### **(Notebook Work**

#### **New Words**

Any 10 words

#### **FIB**

1. The magma that comes out of the earth is called lava.
2. The minerals from which metals can be extracted profitably are called ores.
3. The Red fort is made of sandstone.
4. Coal and Petroleum are fossil fuels.

#### **Defines**

1. Porous – Having many pores.
2. Marshy regions- Areas of low lying wet land.
3. Conserve – To protect from loss or harm.
4. Inexhaustible – That cannot be entirely used up.
5. Car pooling – An arrangement whereby several people travel together in one vehicle.

### Short Question/Answer

**1 What is called black gold?**

**Ans. Petroleum**

**2. What are gemstones? Name any two gemstones.**

**Ans. Minerals present in the form of crystals are cut and polished beautifully are called gemstones. For eg- Diamond and Ruby.**

**3. What makes pumice float on water?**

**Ans. Due to its light weight and porosity pumice float on water.**

**4. Write two uses of limestone**

**Ans. (a) It is used to make bricks .**

**(b) It is used to make cement.**

**5 Name the metals you use in making jewellery.**

**Ans. Gold and Silver**

### Long Question/Answer

**1. How are igneous rocks formed? List its types and one use of each.**

**Ans. The lava cools and hardens quickly to form igneous rocks on the earth surface. There are different types of igneous rocks:-**

- **Granite – It is commonly used for constructing buildings, as flooring tiles etc.**
- **Basalt- It is used in the construction of buildings and roads.**

- **Pumice-** Due to its light weight and porosity, it is used for making decorative landscapes.
- **Obsidian -** It is used in the cutting of jewellery .

**2 How is coal formed? What are its various uses?**

**Ans.** Coal is formed from the remains of plants that were buried under the marshy regions and started to decay millions of years ago. Under heat and pressure they got converted into coal. It is used for cooking, producing electricity and in steel industry.

**3 What are metamorphic rocks? List three metamorphic rocks and their uses.**

**Ans.** The changed rocks formed by igneous and sedimentary rocks are called metamorphic rocks. Some types of metamorphic rocks are-

- **Marble –** It is used to make statues and buildings.
- **Slate-** It is used to make roofs of some houses.
- **Quartzite –** It is used for making jewellery .

**4 Why is it essential to conserve resources? What can we do for it?**

**Ans.** It is essential to conserve resources because they are limited in nature and we have to make them available for future also. To conserve our resources :-

- **We should use inexhaustible energy resources.**
- **We should save the fuel.**

**5 Write a short note on the Sandstone.**

**Ans. Layers of sand grains form the sandstone. It is one of the most common sedimentary rocks. It may be red, pink, brown or yellow in colour. It is commonly used as a building stone.**

### **Give Reasons**

**1. Although chalk is a type of rock, why can't we use it to make buildings?**

**Ans. It is soft so it cannot be used to make buildings.**

**2. What would happen if all fossil fuels get exhausted?**

**Ans. They will not be available for future as they take millions of years to form.**

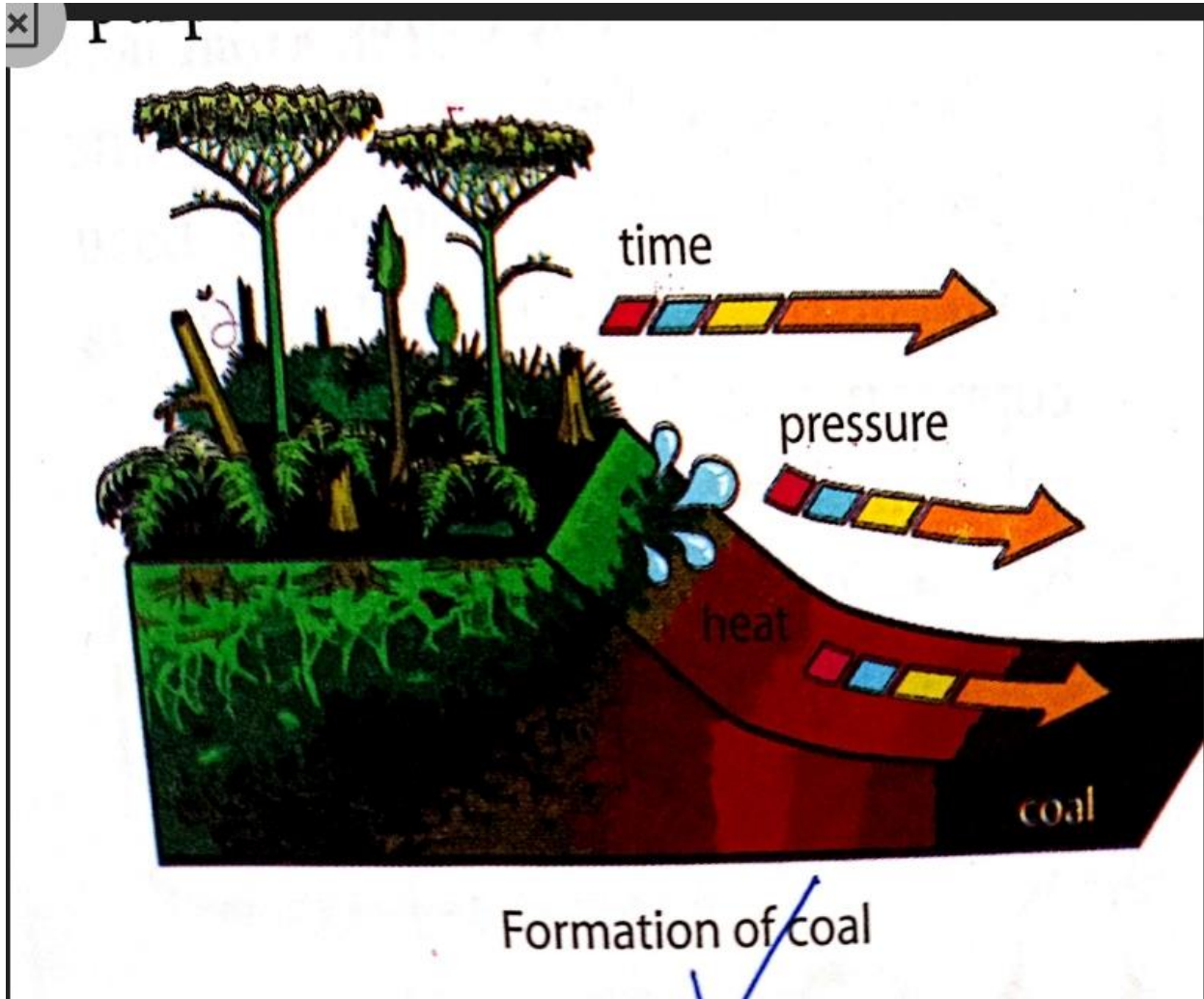
### **Activity**

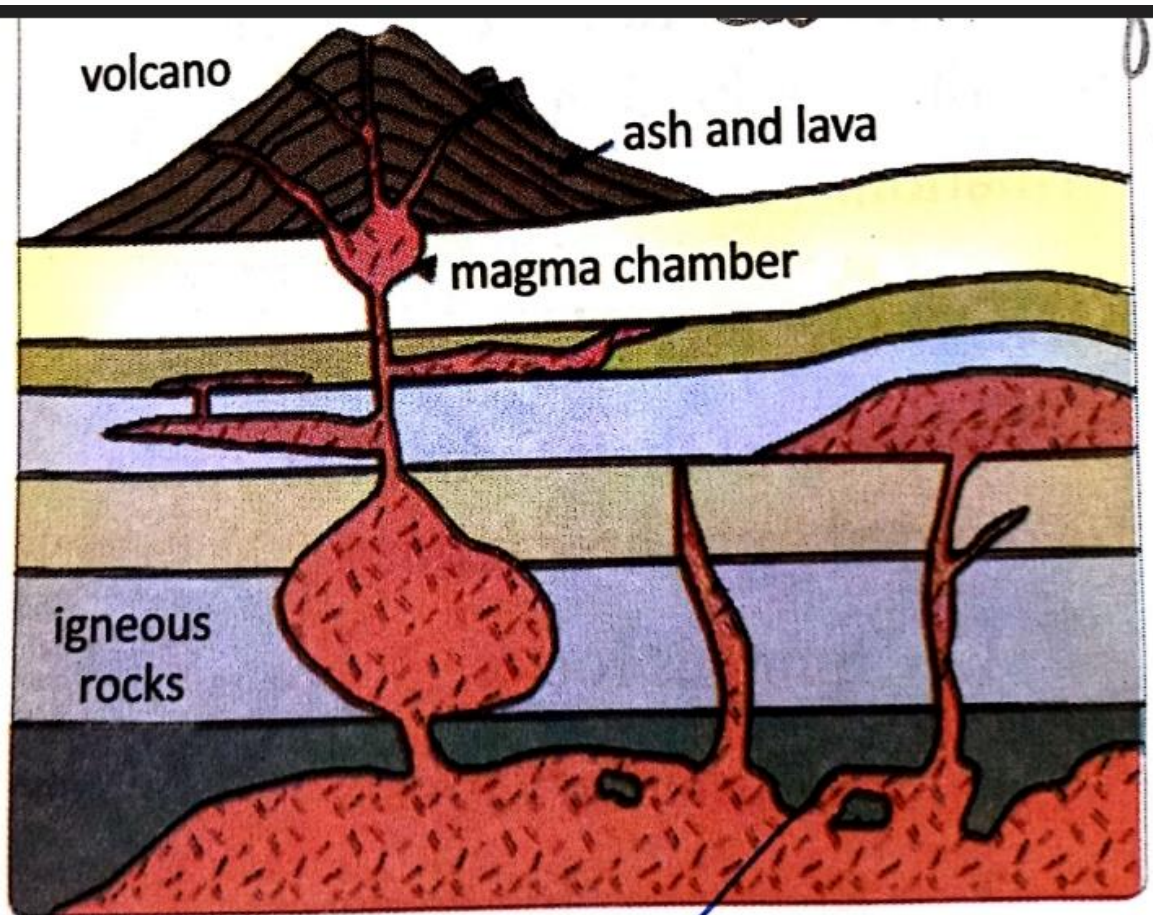
**Create a poster on the topic 'Healthy and Pollution Free Environment' in notebook.**

### **Dictation**

**Any 10 words**

### **Diagrams**





formation of igneous rock

