

**SESSION NO.: 2**

**CLASS: 5**

**SUBJECT: SCIENCE**

**CHAPTER NUMBER: 7**

**CHAPTER NAME: ROCKS AND MINERALS**

**SUB TOPIC: IGNEOUS ROCKS-GRANITE, PUMICE AND  
OBSIDIAN**

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**CHANGING YOUR TOMORROW**

# RECAPITULATION

- **What are rocks made up of?**
- **What are the different layers of the earth?**
- **Name the different types of rocks based on their formation.**
- **Define minerals.**

# IGNEOUS ROCKS

- Igneous rocks are the base of all forms of land.
- The word igneous is derived from a Latin word 'ignis' meaning fire.



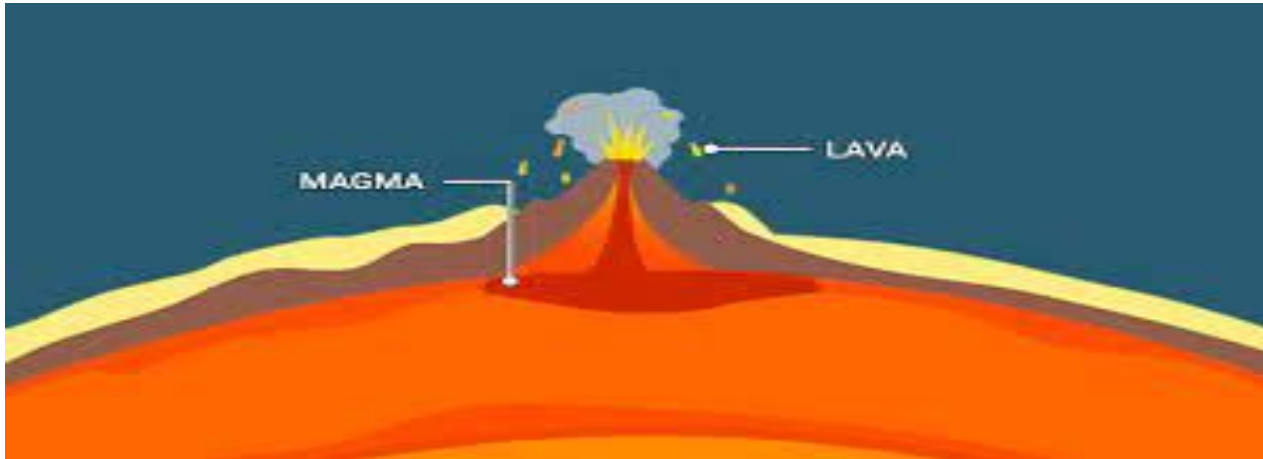
# FORMATION OF IGNEOUS ROCKS

- Igneous rocks are formed by the cooling and hardening of hot liquid rock.
- The liquid rock is pushed upward by the pressure of other rocks.
- Some molten rocks cools and hardens below the surface of the earth while some flows out and then hardens to form igneous rock.



# MAGMA AND LAVA

- The hot molten rocks that are present inside the earth is called magma.
- The hot molten rocks that flows out to the surface of the earth is called lava.



# TYPES OF IGNEOUS ROCKS

Type of igneous rocks formed depends on the kind of mineral the magma contains and size of the mineral particles.



**Granite**



**Pumice**



**Obsidian**

# GRANITE

- It is the most common igneous rock.
- Quartz, feldspar and mica are the minerals found in granite.
- Granite comes in grey or pink colour depending on the feldspar.
- It is used for making buildings, statues and streets.



# PUMICE

- It is light in colour.
- It has many holes and pockets.
- It is light grey or cream colour.
- Dentists use powdered pumice for polishing our teeth.
- It is also used as a scrubber.





# OBSIDIAN

- It looks like black glass.
- It is used to make cutting tool because of its sharp edges.
- It is used to make jewellery as well.



# SUMMARY

- **Igneous rocks are formed by the cooling of magma.**
- **Granite, pumice and obsidian are the different types of igneous rocks.**
- **Granite is grey and pink and used to make building, statues,etc.**
- **Pumice has many holes used as scrubber,etc.**
- **Obsidian is glassy black and used to make jewellery,etc.**

READY FOR A  
**QUIZ** ?

**1. Rock that is the base of all landform.**

**Ans: Igneous rock**

**2. Which type of igneous rock contain minerals like quartzite, mica and feldspar?**

**Ans: Granite**

**3. The type of igneous rock that looks like black glass.**

**Ans: Obsidian**

# **HOMEWORK**

- **Do the questions A and B in your notebook.**

# LEARNING OUTCOME

**The learner will be able to:**

- **Discuss about the rocks based on their formation.**
- **Understand the formation of igneous rocks.**
- **Identify the different kinds of igneous rocks.**



**THANKING YOU**  
**ODM EDUCATIONAL GROUP**