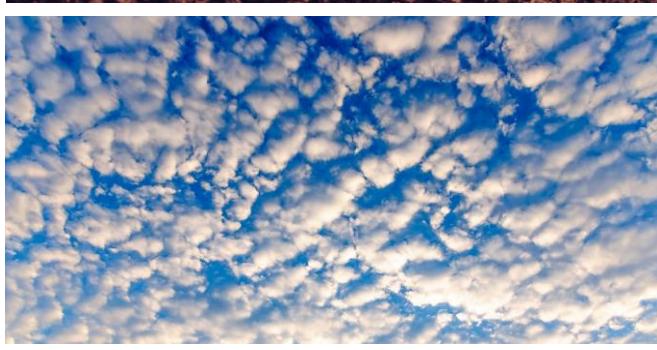
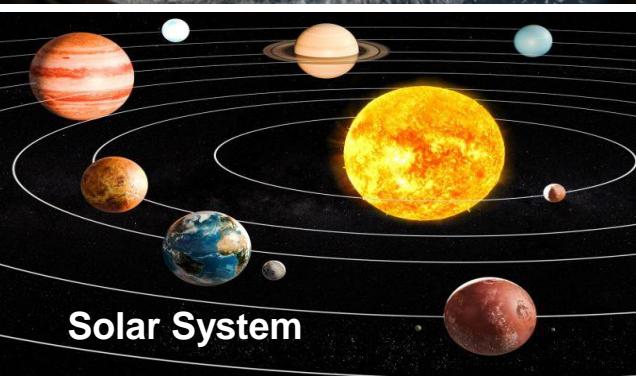
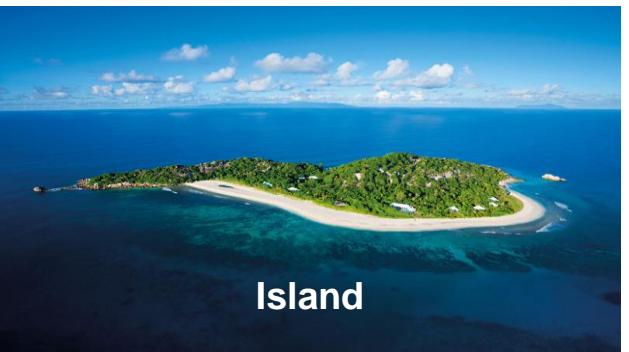
The background image shows a massive, multi-colored rock outcrop with distinct horizontal sedimentary layers and vertical mineral streaks. The colors range from deep reds and oranges at the top to blues, greens, and yellows further down, creating a vibrant, layered texture.

GEOLOGY

- OM VAKNALLI





ASTRONOMY

Eg. Sun, Moon, Stars,
Solar-system,
Northern Lights



METEOROLOGY

Eg. Clouds, Rain,
Wind, Hurricanes,
Tornados



Earth

Sciences

OCEANOGRAPHY

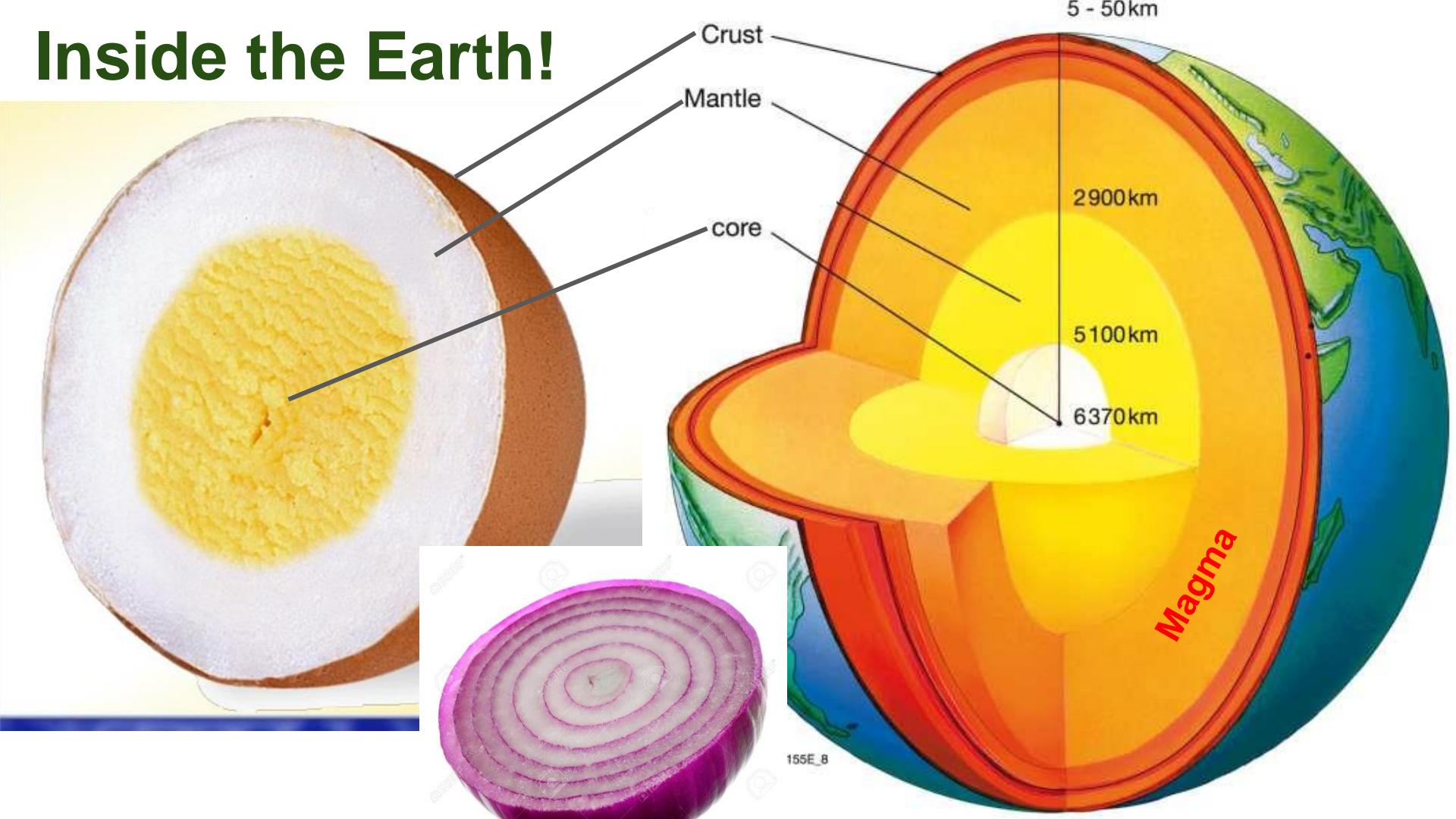
Eg. Seas, Rivers,
Lakes, Glaciers



GEOLOGY

Eg. Rocks, Mountains, Soil,
Volcanos, Earthquakes,
Fossils, Islands

Inside the Earth!

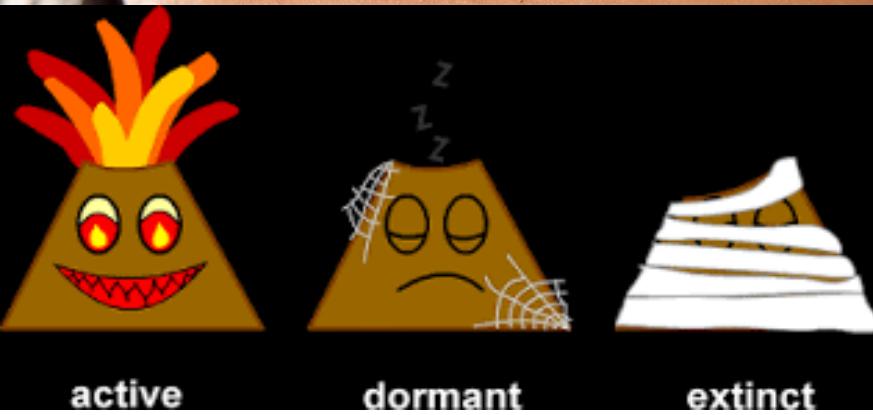




Telegraph.co.uk/video



Volcanos



LAVA!

VOLCANIC TIME-LAPSE





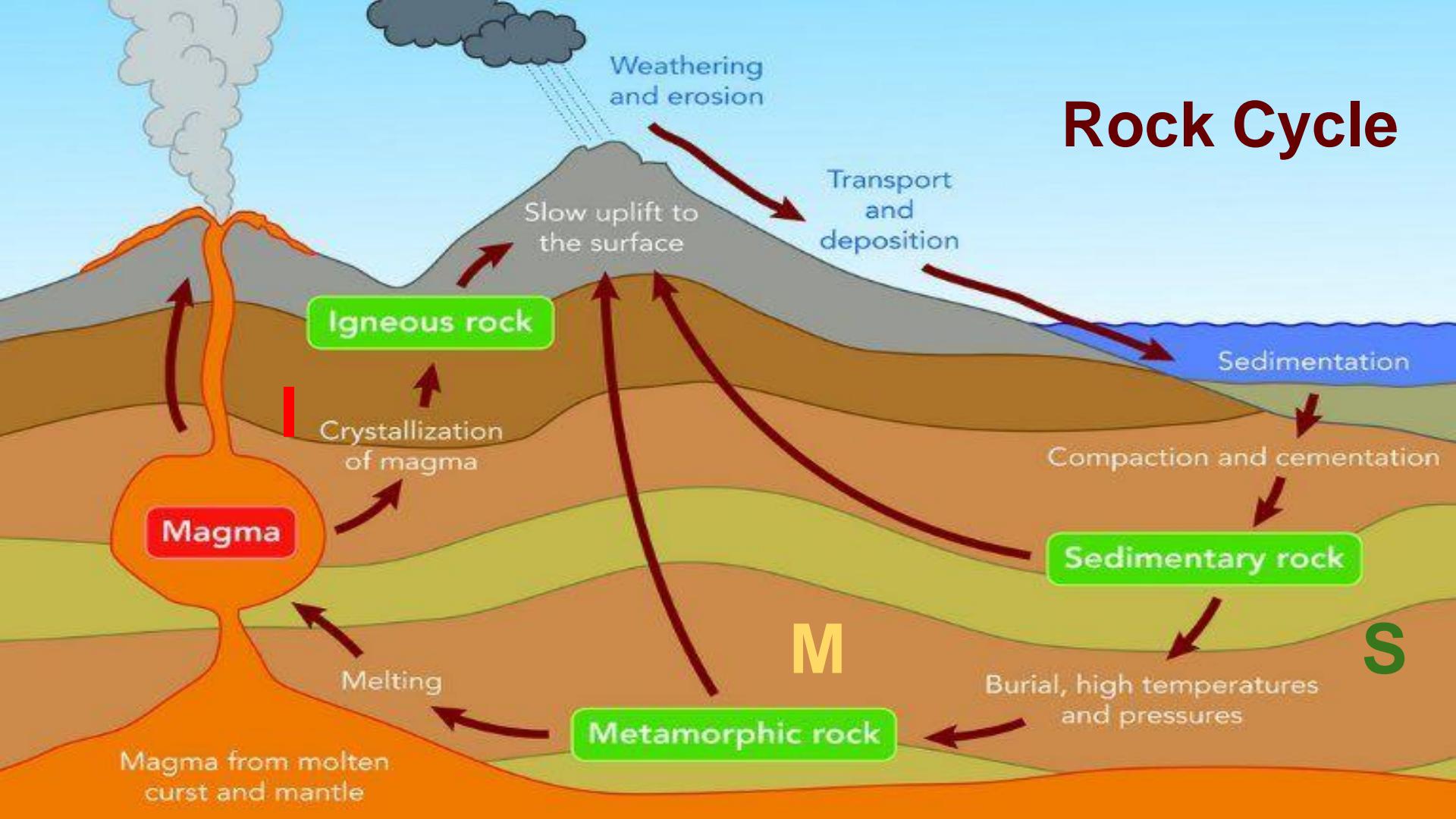
Sahyadri Mountain Ranges

Rock Weathering

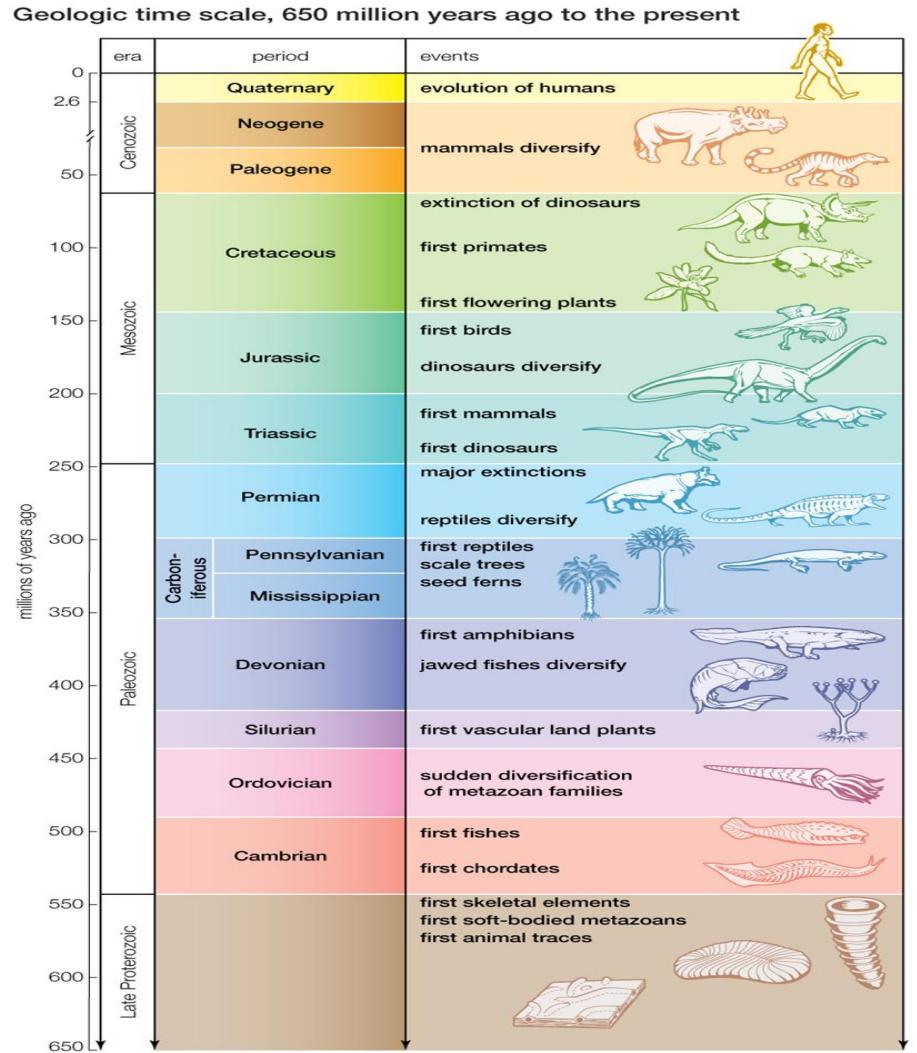
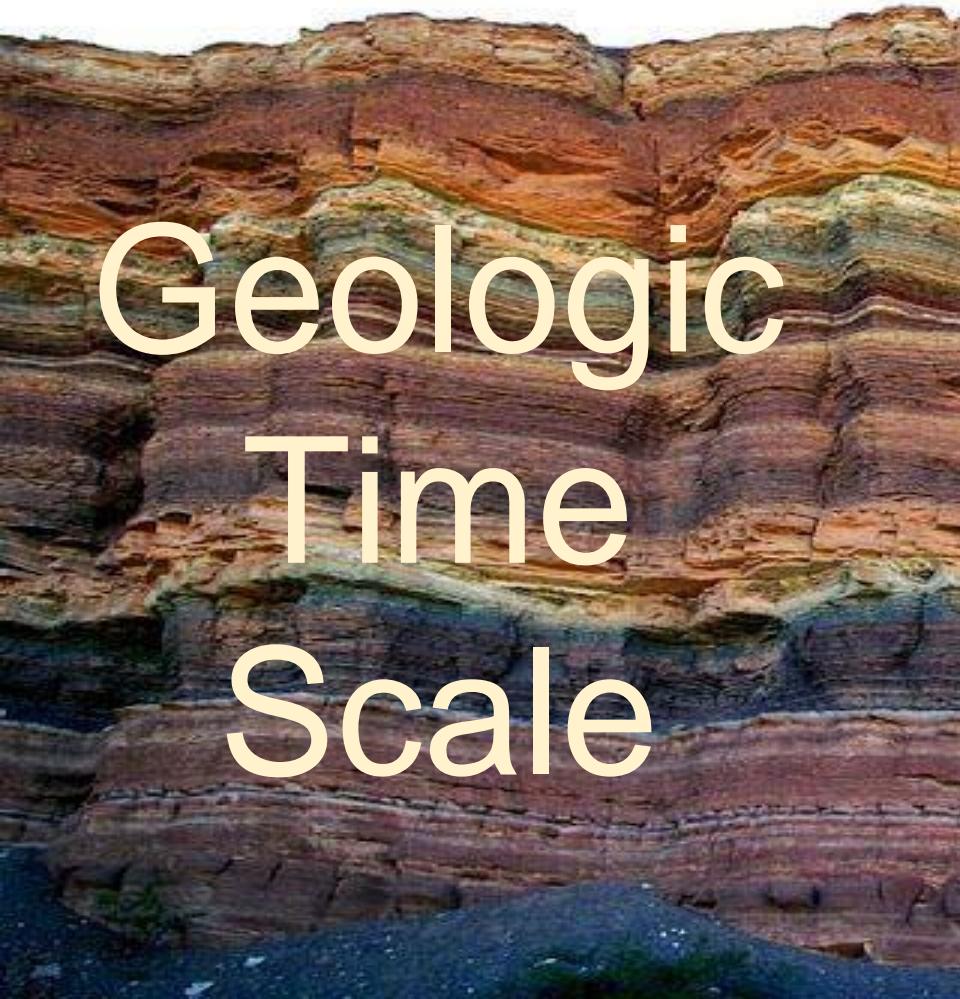




Rock Cycle



Geologic Time Scale





Minerals



MOHS HARDNESS SCALE

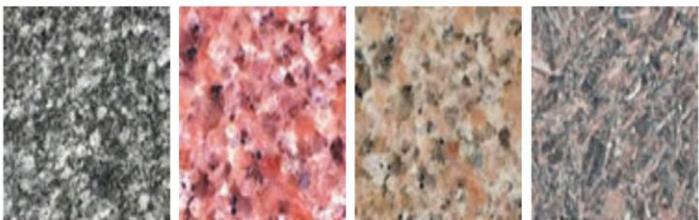
1 TALC
2 GYPSUM
3 CALCITE
4 FLUORITE
5 APATITE
6 FELDSPAR
7 QUARTZ
8 TOPAZ
9 CORUNDUM
10 DIAMOND

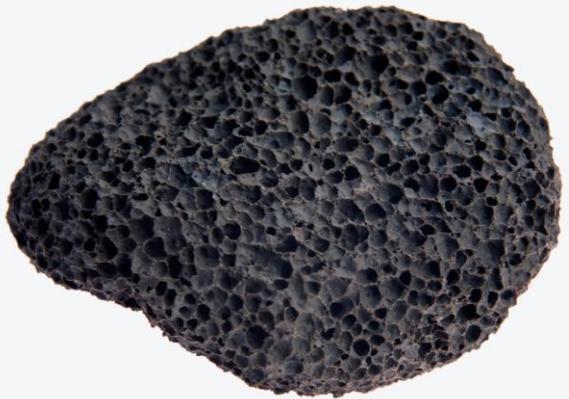
INCREASING HARDNESS ↓

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Identifying different Minerals: **Hardness, Texture, Shininess, Colour, Streak, Fracture**





Pumice



Sandstone



Laterite



Rock Dust



Conglomerate



Coal



Limestone





Gneiss



Marble



Thank You!

Links to the youtube videos:

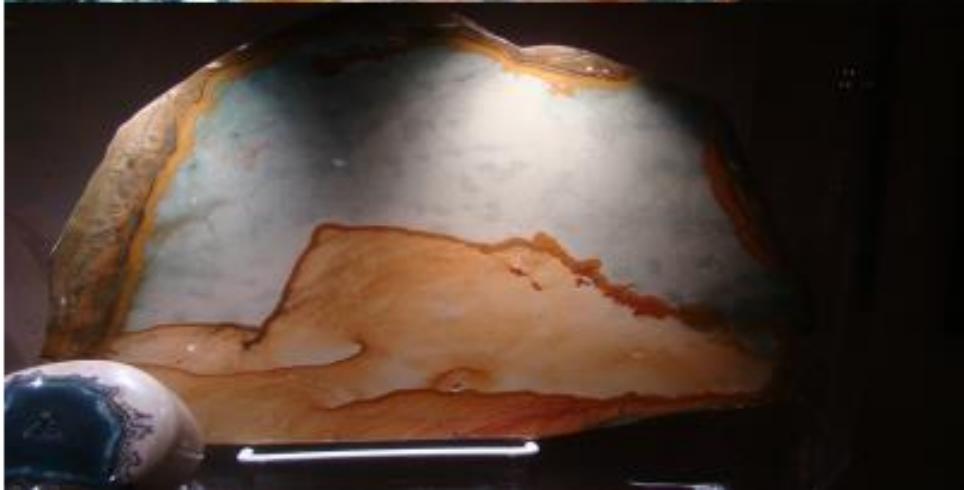
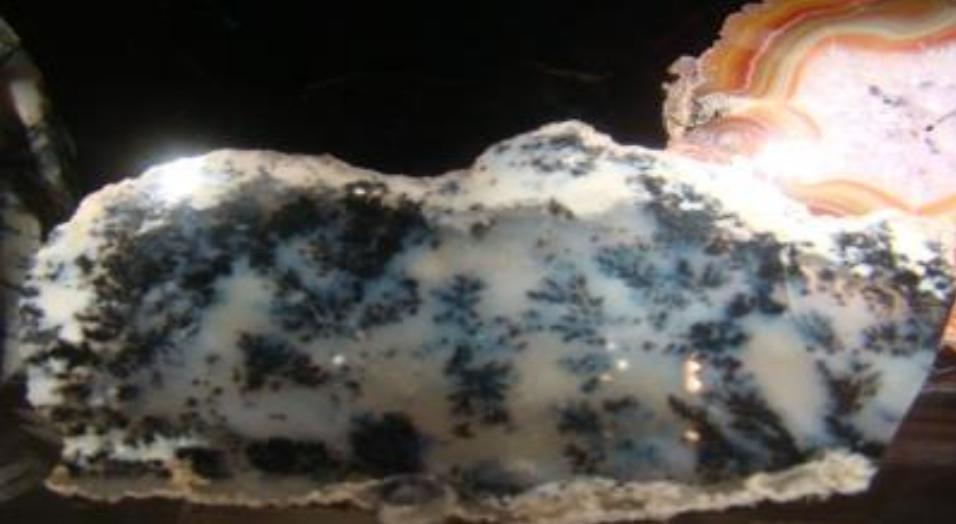
<https://youtu.be/hc7PHonMgl8>,

https://www.youtube.com/watch?v=KI15e31Fm_s#action=share

Email I.D: om18@iiserb.ac.in

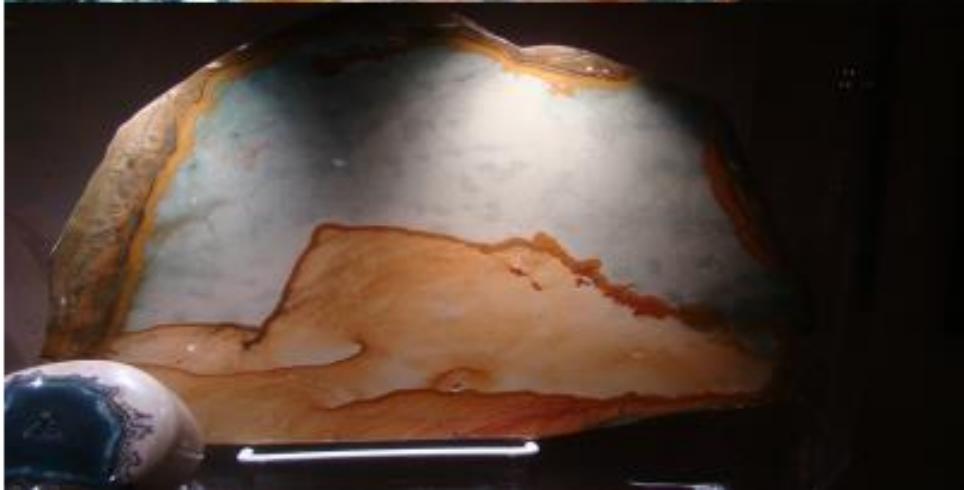
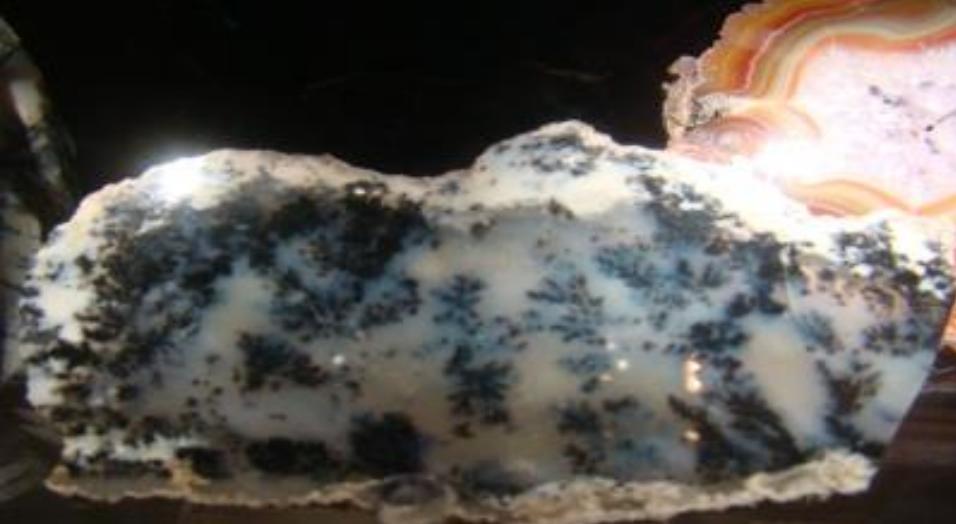










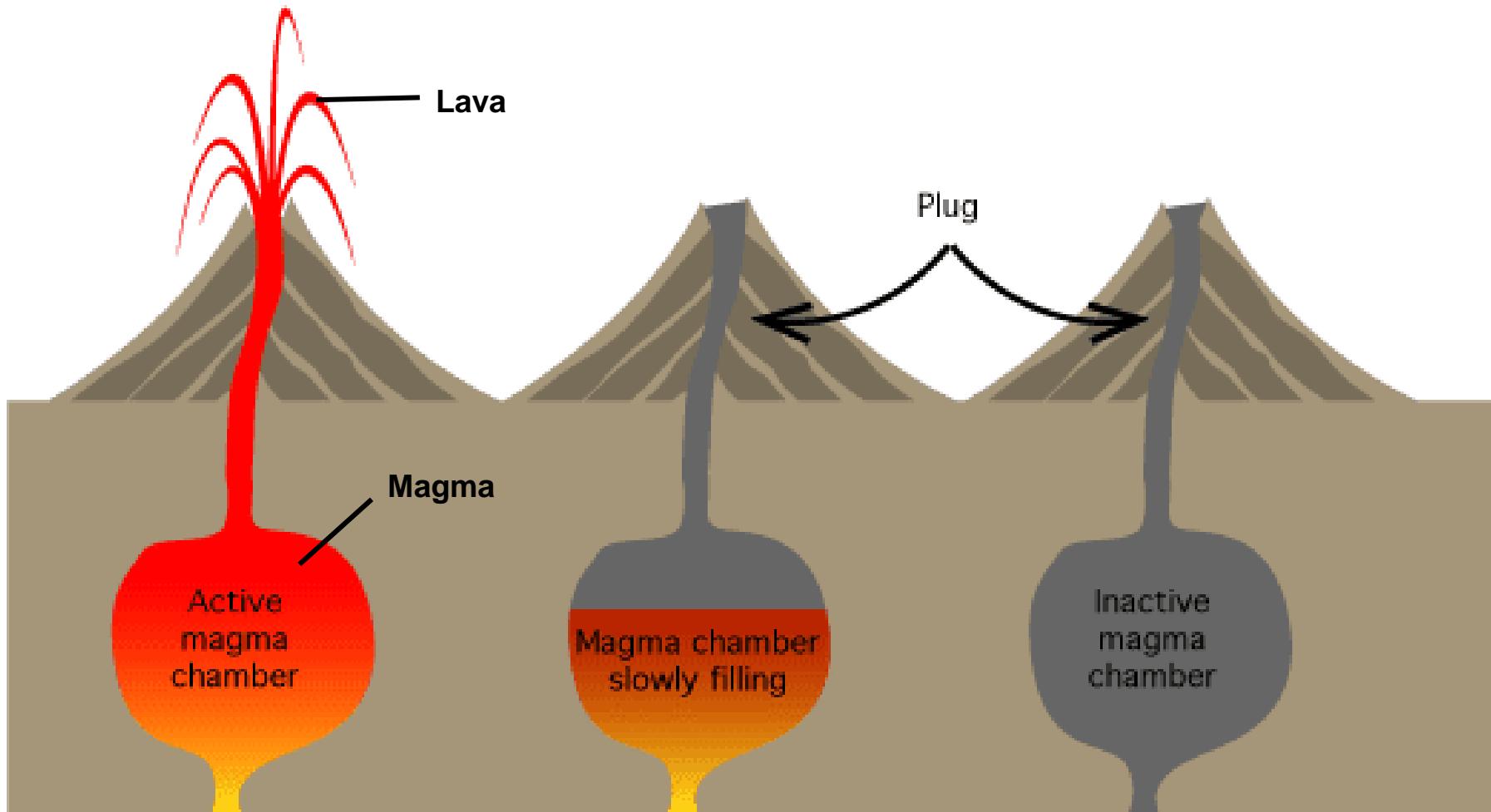




Active volcano

Dormant volcano

Extinct volcano



GEOLOGY

VERSUS

GEOGRAPHY

Study of physical structure and substance of the earth, their history, and the processes which act on them

Study of the land, its features, inhabitants, and the phenomena of Earth

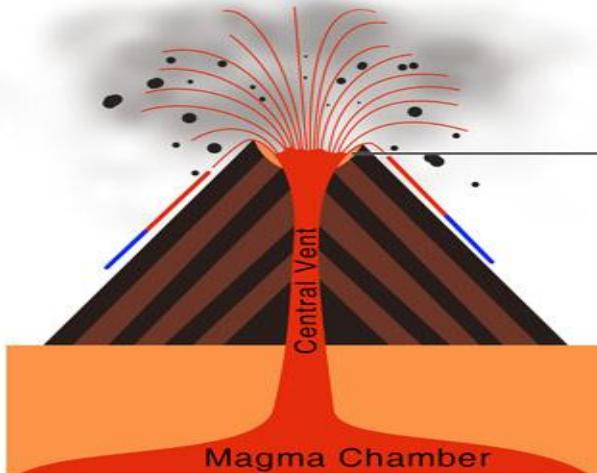
Mainly focuses on nature

Focuses on nature as well as people

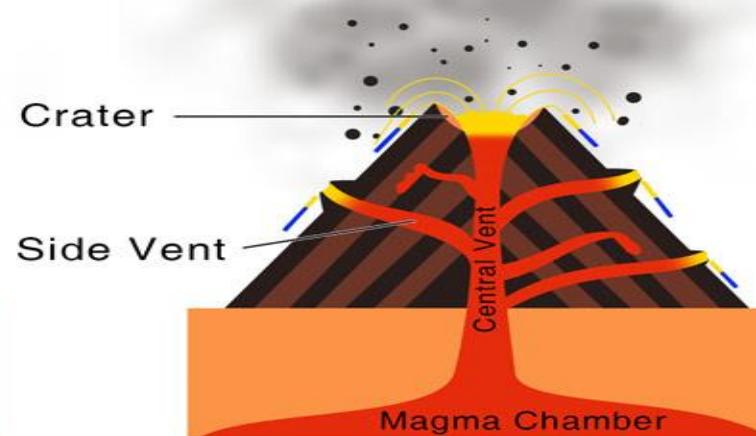
Looks at processes in nature

Looks at areas like settlement patterns, economic patterns, ethnicity, population distribution, etc.

TYPES OF VOLCANOES



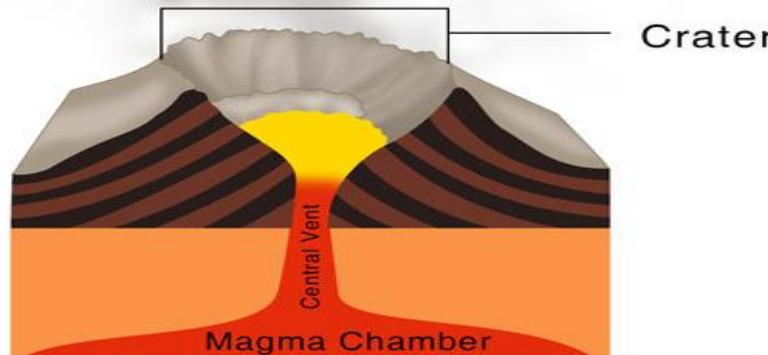
1. Cinder Cone Volcano



2. Composite Volcano



3. Shield Volcano

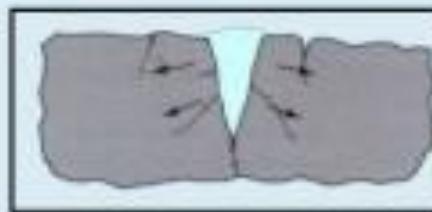


4. Lava Dome

- █ Fluid Lava
- █ Viscous Lava
- █ Cooled Lava
- █ Solidified Lava Layers

There are 3 main types of weathering:

1. Physical



2. Chemical



3. Biological



Importance of Rocks!



- Building Material (housing, cooking, roads, instruments, weapons,
- Kitchen Accessory (Pata Varvanta)
- Food source (Rock-salt)
- Mineral Source (Jewellery,
- Ore source
- Soil formation