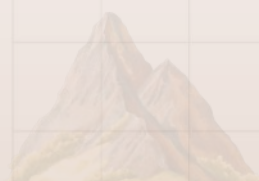




# Rocks And Minerals

- About 98% of Earth's crust is made up of eight elements.
- Oxygen is the most abundant element in Earth's crust.
- A mineral is a naturally occurring inorganic solid with definite chemical composition.
- Feldspar forms about half of Earth's crust.
- Quartz is made of silicon and oxygen, or  $\text{SiO}_2$ .
- Bauxite is the chief ore of aluminium.
- Cinnabar is the principal ore of mercury.
- Haematite and magnetite are important ores of iron.
- A rock is an aggregate of one or more minerals.
- The scientific study of rocks is called Petrology.
- Igneous rocks are primary rocks formed by cooling and solidification of magma or lava.
- Sedimentary rocks are stratified, porous and may contain fossils.
- Lithification means compaction and cementation of sediments.
- Metamorphic rocks form from existing rocks due to heat, pressure and chemical changes.
- Contact metamorphism occurs due to contact with hot magma.





- Regional metamorphism occurs over large areas due to tectonic pressure and temperature.
- Foliation means layered mineral arrangement in metamorphic rocks.
- Granite, basalt and gabbro are igneous rocks.
- Sandstone, limestone, coal, chert and gypsum are sedimentary rocks.
- Marble, slate, schist and quartzite are metamorphic rocks.
- Rock cycle explains the continuous transformation of one rock type into another.




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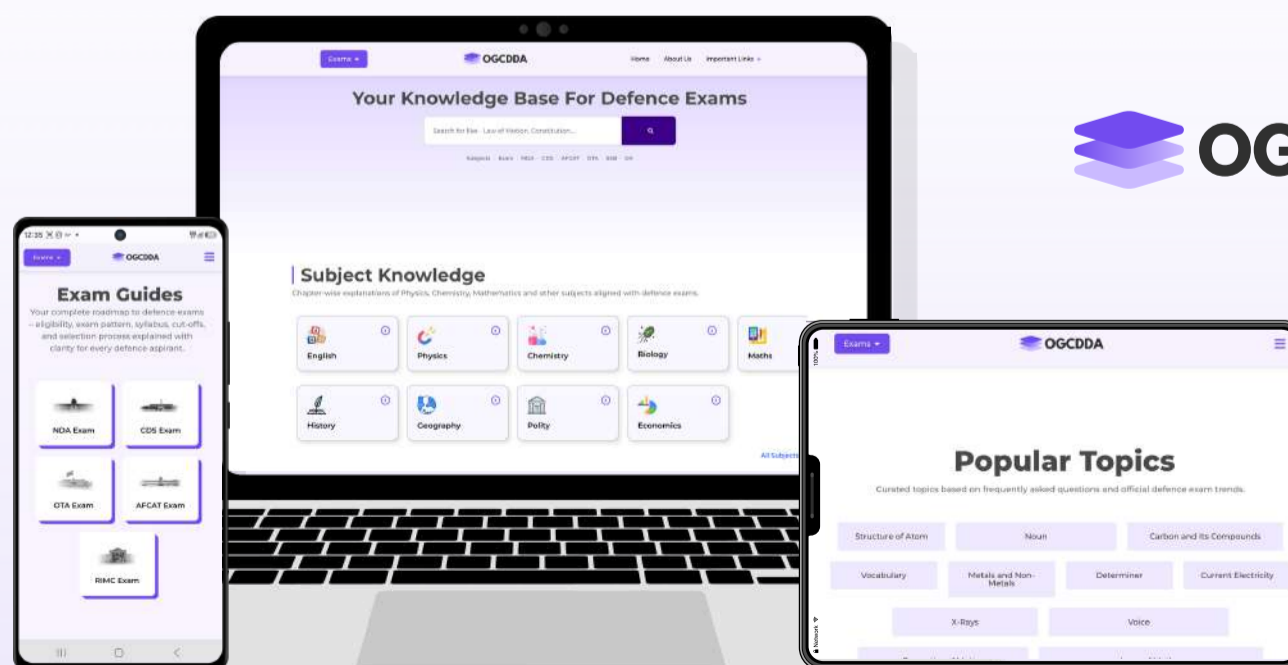
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