=> Mineral -) x17=3 ( Part) nert) 100

#### **ROCKS**

A natural substance, a solid aggregate of one or more minerals or at time mineraloids.

# Types of Rocks

Igneous rocks



Sedimentary rocks



Metamorphic rocks



# **ROCKS** Exposure



Igneous



Sedimentary



Metamorphic

## Igneous Rocks

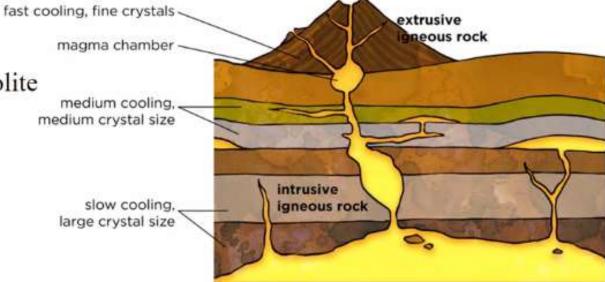
Igneous rocks are further subdivide into various types, which solely depend upon its:

- ☐ Place of emplacement
  - Extrusive/Volcanic
    - ✓ E.g., Basalt, Rhyolite
  - > Intrusive
    - Plutonic
      - ✓ Granite, Gabbro
    - Hypabyssal
      - ✓ Dolerite
- ☐ Texture:
  - > Fine
  - Coarse
- ☐ Chemical Composition (Based on Silica)
  - ➤ Acidic (66% Silica)
  - ➤ Intermediate (66-55% Silica)
  - ➤ Basic (55-44% Silica)
  - ➤ Ultrabasic (<44% Silica)

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- Intrusive igneous rocks
- Formed when magma "inside" the volcano cools s-l-o-w-l-y
- Forms large grain crystals



stapp, omentudion GOOLVE :cool down ! 500°C. So lidik -> 9ng/an/ly

3 100 cool down ! 500° (1) 11600 TT -> 2-moral (600.3 10000 -) ( SO -) 1600-60 (ne grained