

# Notes: Rocks

- Rocks are made from a combination of minerals
- Depending how they form, determines what type they are.

## 3 Types

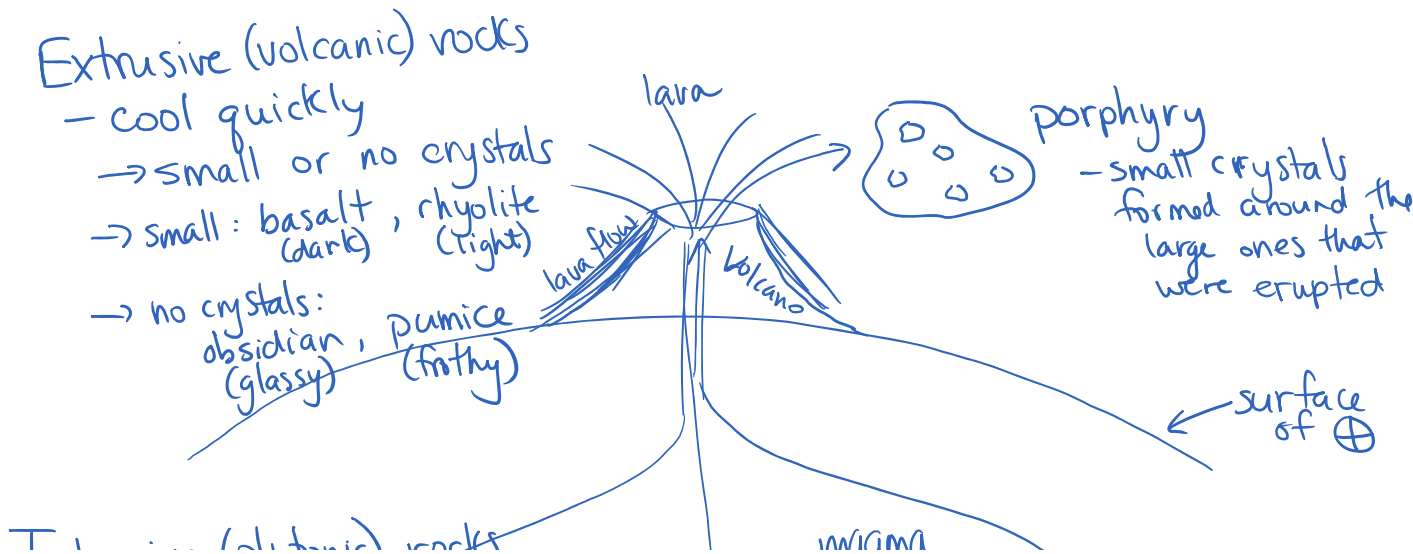
**Igneous** - form from lava (on surface) or magma (underground) cooling and solidifying.

**Sedimentary** - form from pieces of rock being cemented together

- or from a chemical precipitate/solid when something changes the chemistry of the solution

**Metamorphic** - heat or pressure change a pre-existing rock.

## Igneous Rocks Diagram



## Intrusive (plutonic) rocks

- cool slowly

→ large crystals

- granite (light), gabbro (dark)

magma chamber

insulated, so lots of time for crystals to form.



large crystals then eruption

Xenolith - forms when a dark rock (need high heat to melt), falls into a light magma (not necessarily so hot) and the dark rock doesn't melt. So when magma cools, end up with light rock around dark piece.