

ANORTHOSITES: *Igneous (volcanic) rock*

Represent original lunar crust that formed ~4.5 – 4.3 billion years ago

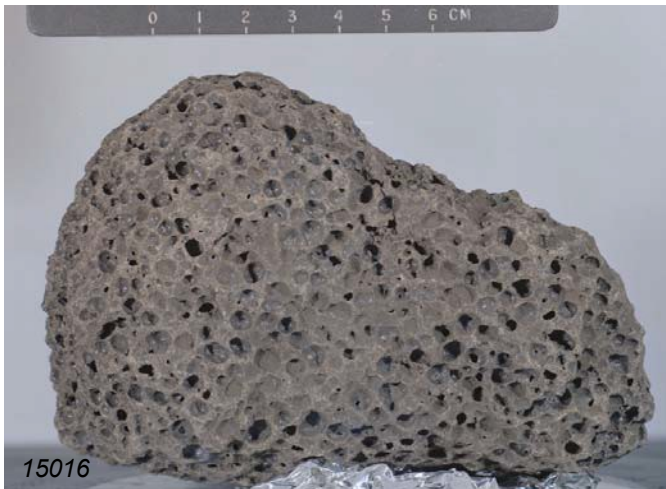


CHARACTERISTICS:

- Whitish or light grey in color
- Very friable (crumbly & easily breakable)
- Generally coarse-grained
(Note: Lunar anorthosites are composed almost entirely of the mineral anorthite & are often highly shocked from impacts making it less obvious that it is coarse-grained compared to rocks that have multiple minerals present.)

BASALTS: *Igneous (volcanic) rock*

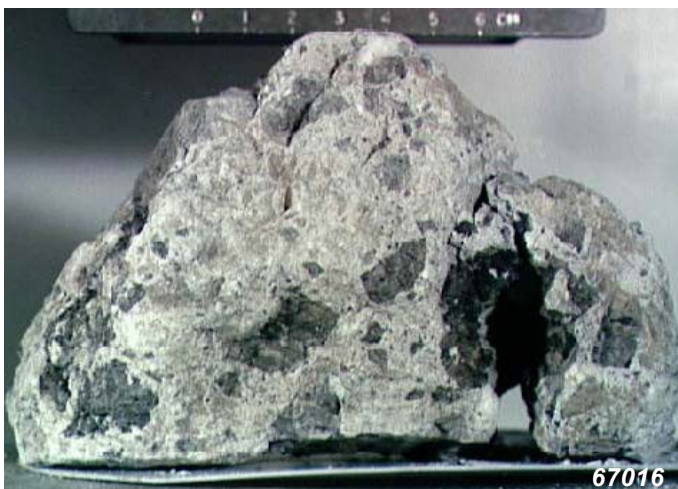
Formed by molten rock erupting on to the surface or pyroclastic eruptions



CHARACTERISTICS:

- Greyish to black in color
- Generally fine-grained (you cannot easily see individual minerals)
- Can sometimes include vesicles (holes) created by gases trying to escape as magma solidified
- Rough texture / hard surface

IMPACT BRECCIAs: *Composite rock formed by impact events*



CHARACTERISTICS:

- Range in color and include "chunks" of black, grey, and/or white
- Combination of basalts, anorthosites, and pieces of earlier generations of impact breccias
- Mixture of both fine and coarse grains
- Contain fragments (clasts) that have been "cemented together" by impacts