Naming igneous rocks

- □ Take a deep breath, ask questions, be patient.
- 1. Define texture
- 2. Identify minerals
- 3. Estimate the % of each mineral within the rock
- 4. Use known textures and mineral %'s with the Flow chart for Ig. Rock Classification to name the rock.

Textures

- □ Phaneritic
- □ Aphanitic
- □ Porphyritic
- □ Vesicular

Aphanitic Vs. Phaneritic

□ Determined from the groundmass

Aphanitic

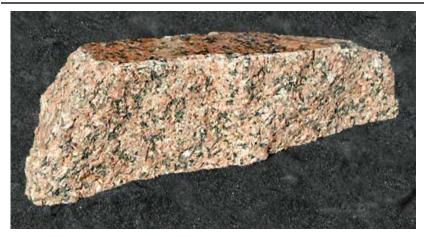








Phaneritic









Porphyritic

□ Big crystals (phenocrysts) set within smaller crystals.





Vesicular

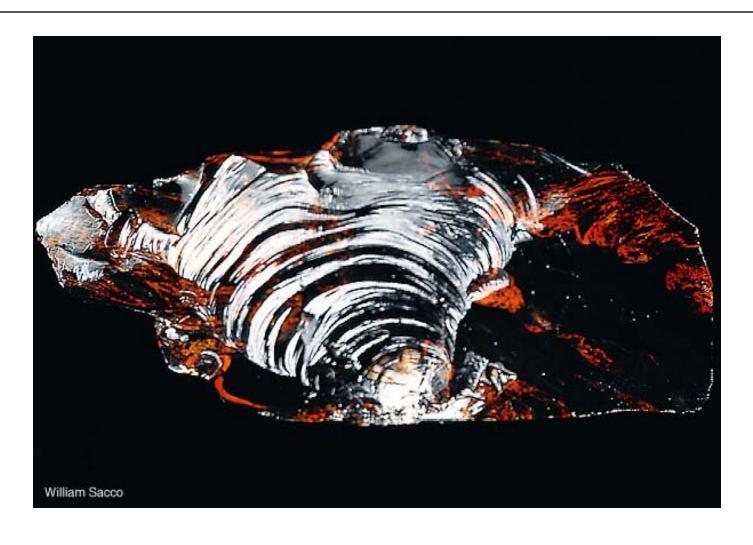
□ Cavities or holes in igneous extrusive rock







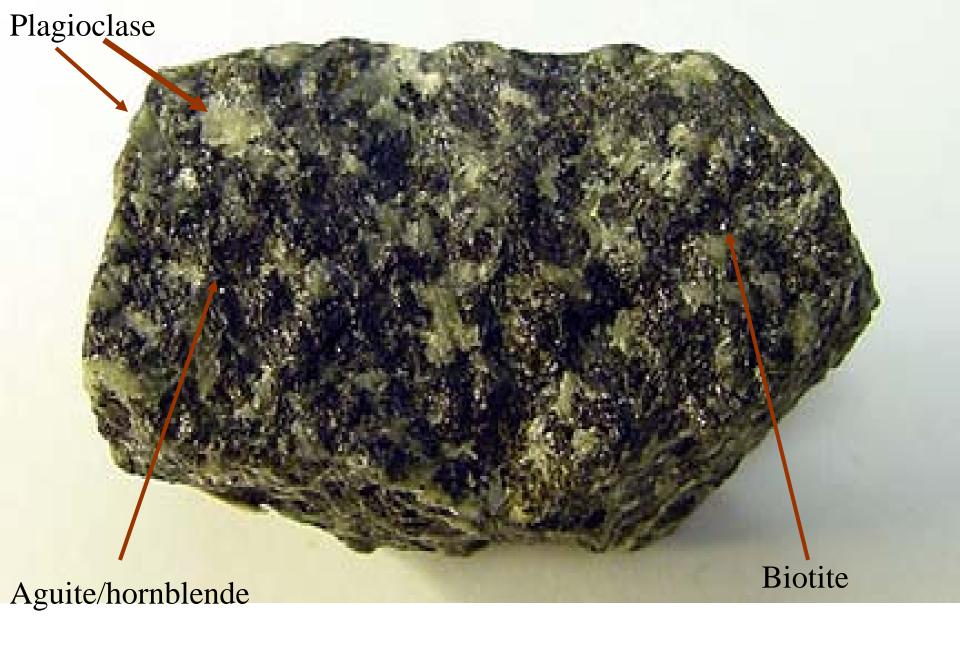
Glassy



An example

Texture





Don't let the dark mineral fool you, don't over estimate



