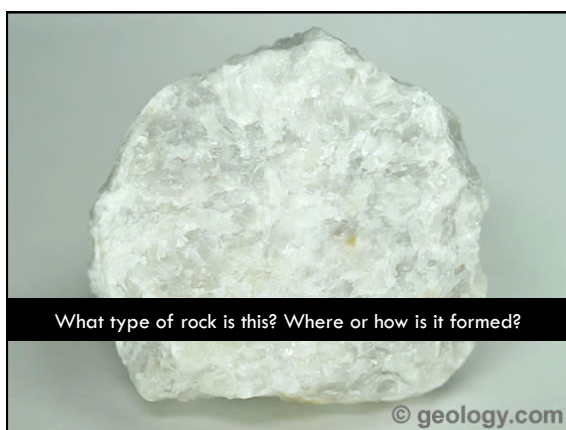




Review

Can you compare and contrast the following sets of rocks?

- ▣ Limestone and Marble
- ▣ Granite and Gneiss
- ▣ Obsidian and Coal
- ▣ Sandstone, Pumice, and Scoria
- ▣ Basalt, Hornfels, and Slate
- ▣ Conglomerate and all the other rocks

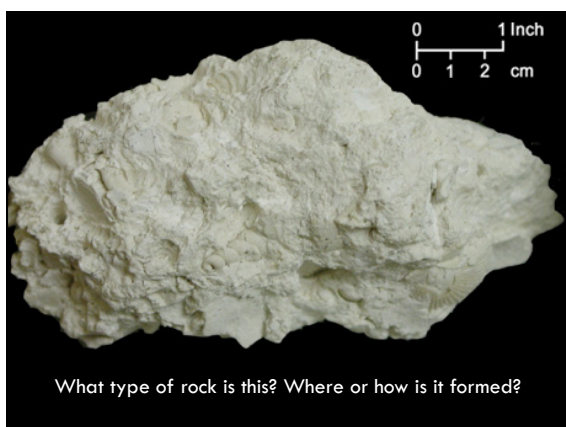


Marble

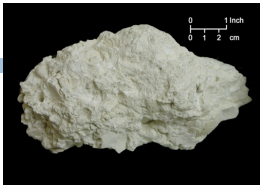


Metamorphic

- ▣ Non-Foliated
- ▣ Calcium Carbonate
- ▣ Metamorphism of Limestone

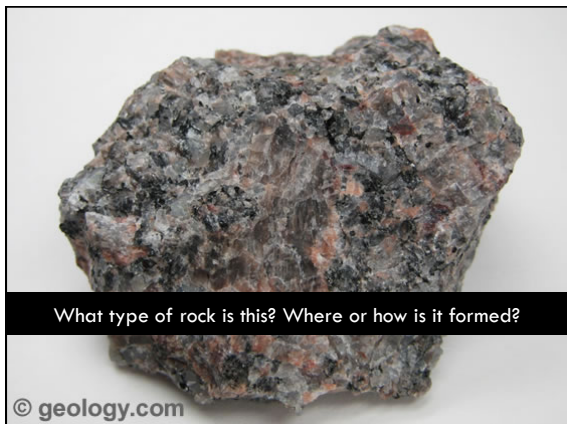


Limestone




Sedimentary

- ▣ Calcium Carbonate
- ▣ Forms in clear, warm, shallow marine waters
- ▣ Forms from the accumulation of shell, coral, algal and fecal debris



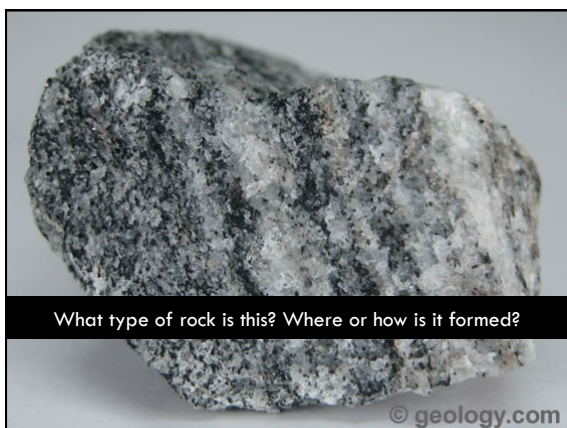
Granite




Igneous

- Intrusive Igneous Rock
- Most are Felsic
- Coarse Grained, can see crystals
- Contains quartz and feldspar

© geology.com



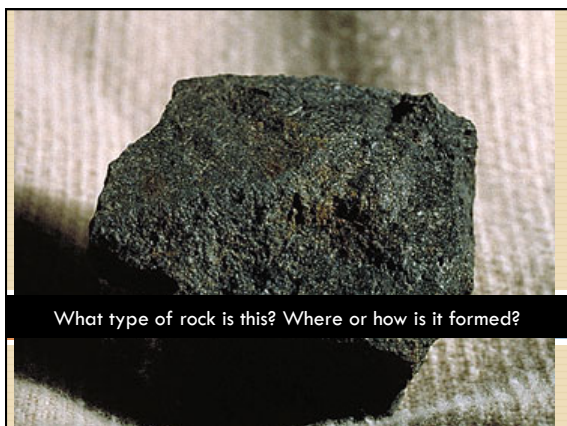
Gneiss




Metamorphic

- Metamorphic
- Foliated
- Feldspar
- Metamorphasized Granite

© geology.com



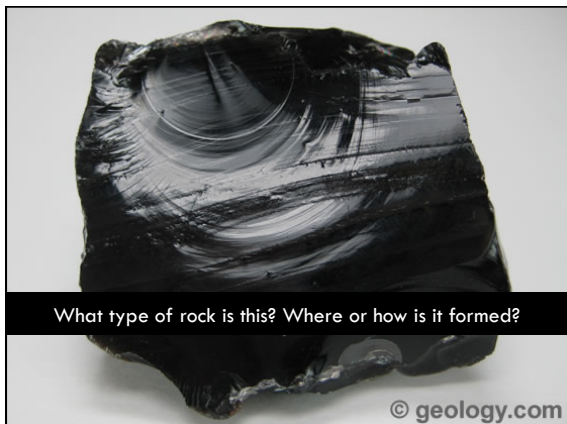
Coal



Sedimentary


- Organic Sedimentary Rock
- Formed from plant remains

© geology.com



What type of rock is this? Where or how is it formed?

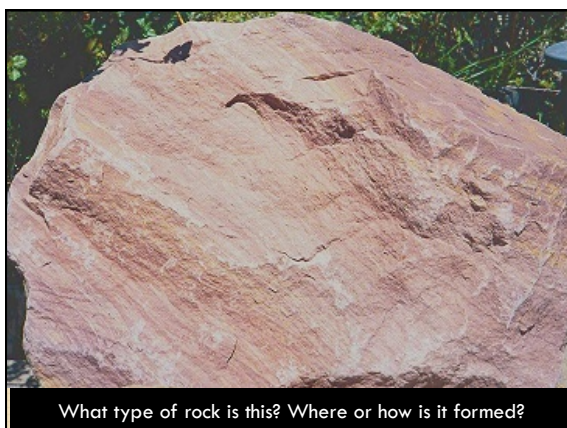
Obsidian



© geology.com


Igneous

- Extrusive Igneous Rock
- Very quick cooling molten rock (lava)
- Glassy
- No crystals formed



What type of rock is this? Where or how is it formed?

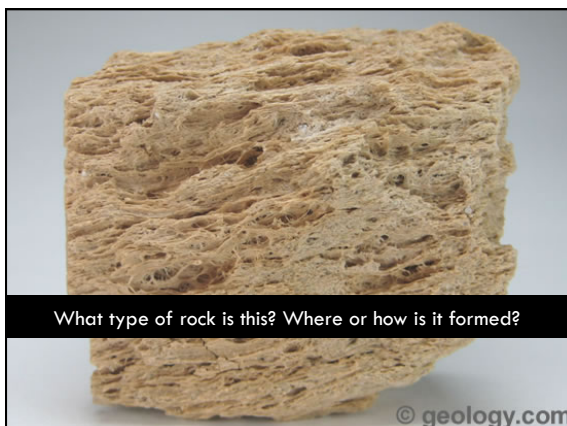
Sandstone



© geology.com


Sedimentary

- Sedimentary Rock
- Formed by the action of wind, water, and ice on older rock
- Quartz cemented by silica or lime
- Most form in shallow seas



What type of rock is this? Where or how is it formed?

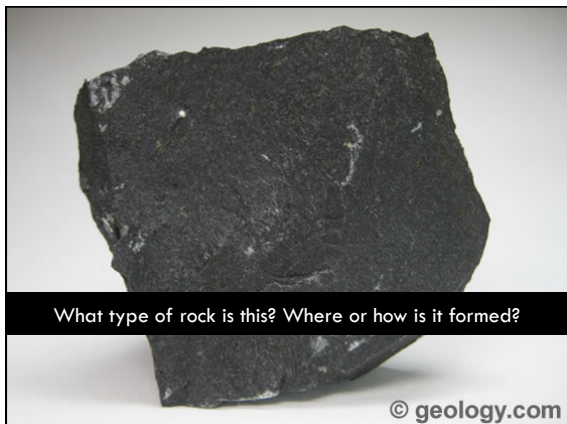
Pumice



© geology.com

Igneous

- Felsic Extrusive Igneous Rock
- Quick cooling molten rock (lava)
- No crystals formed
- Many holes formed - gasses released
- Floats on water



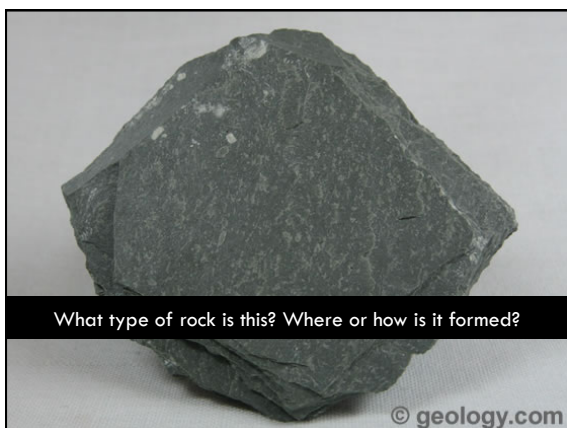
Basalt




© geology.com

Igneous

- Mafic Extrusive Igneous Rock
- Formed from dark dense lava
- Pyroxene, plagioclase feldspar
- Fine grained



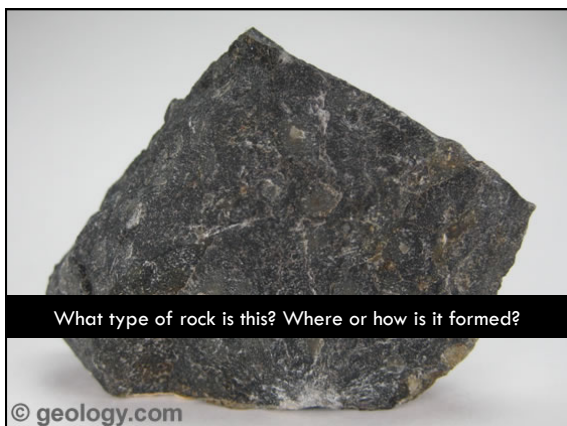
Slate




© geology.com

Metamorphic

- Foliated Metamorphic Rock
- Metamorphism of Shale
- Breaks into thin "slices"



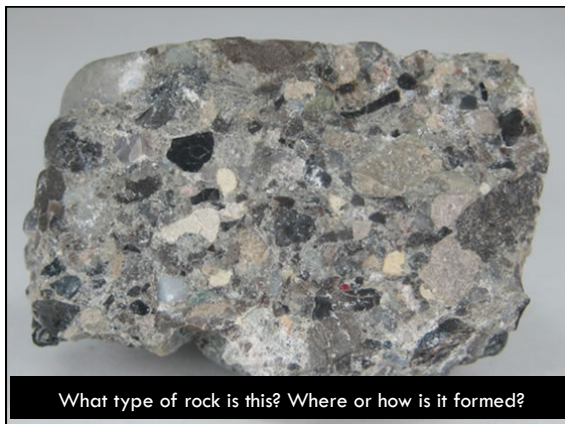
Hornfels



© geology.com


Metamorphic

- Non-Foliated Metamorphic Rock
- Fine grained crystals
- Metamorphism of clays or shales



Conglomerate

Sedimentary



- Sedimentary Rock
- Rounded pebbles ¼ inch or larger cemented together
- Formed near moving water
- Quartz, quartzite