



## GeoScience Videos Assessment for Igneous Rocks

1. What is the texture of an igneous rock referring to?
  - a) Types of minerals present.
  - b) The size, shape and arrangement of mineral grains.
  - c) The color of the rock.
2. Mafic rocks have low silica content.
  - a) True
  - b) False
3. What is the best characterization of a fine grained igneous rock?
  - a) It is composed of silica-rich minerals
  - b) It is composed of silica-poor minerals
  - c) It can be composed of either silica-rich or silica-poor minerals
  - d) It would be composed of neither silica-rich not silica-poor minerals
4. What is the explanation for the difference in texture between plutonic and volcanic igneous rocks?
  - a) The plate tectonic setting of magma generation
  - b) The difference in the silica content of magma at start of crystallization
  - c) The rate of temperature change during crystallization
  - d) Contrasts in the chemical composition of the original source rocks.
5. Which of these is a volcanic igneous rock?
  - a) Rhyolite
  - b) Gabbro
  - c) Diorite
6. How many of the names in the list that follows are plutonic igneous rocks? *Granite, diorite, rhyolite and andesite.*
  - a) 1
  - b) 2
  - c) 3
  - d) 4
7. Identify a volcanic igneous rock with low silica content.
  - a) Basalt
  - b) Rhyolite
  - c) Gabbro
  - d) Granite
  - e) Andesite
8. In your own words, describe how a plutonic, mafic igneous rock is different from a volcanic, felsic igneous rock.