

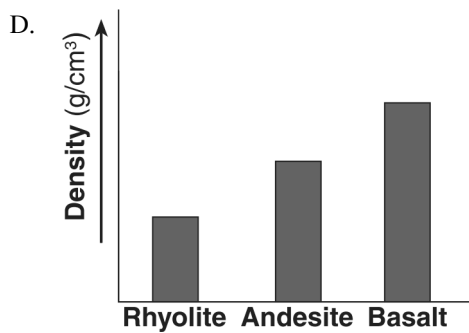
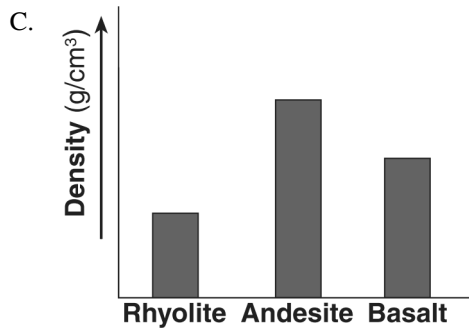
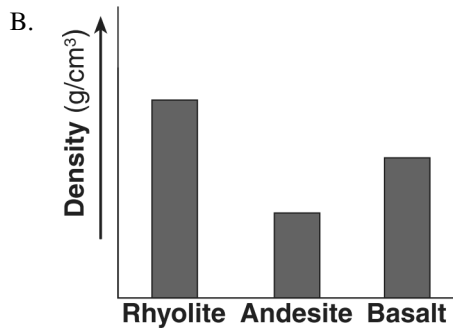
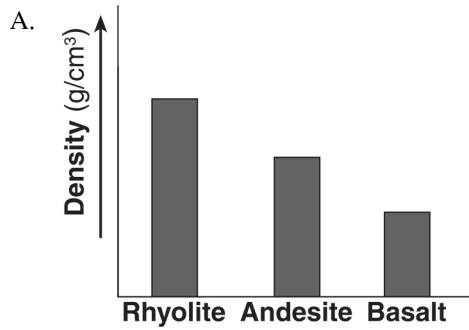
Felsic and Mafic Igneous rocks

Name: _____

Date: _____

- Which relative concentration of elements is found in a mafic rock?
 - a high concentration of silicon and a low concentration of iron
 - a high concentration of iron and a low concentration of aluminum
 - a high concentration of aluminum and a low concentration of iron
 - a high concentration of aluminum and a low concentration of magnesium
- For an igneous rock to be classified as rhyolite, it must be light colored, be fine grained, and contain
 - quartz
 - calcite
 - pyroxene
 - olivine
- Compared to felsic igneous rocks, mafic igneous rocks contain greater amounts of
 - white quartz
 - aluminum
 - pink feldspar
 - iron
- Which intrusive igneous rock could be composed of approximately 60% pyroxene, 25% plagioclase feldspar, 10% olivine, and 5% amphibole?
 - granite
 - rhyolite
 - gabbro
 - basalt
- Which igneous rock has a vesicular texture and contains the minerals potassium feldspar and quartz?
 - andesite
 - pegmatite
 - pumice
 - scoria
- Which igneous rock is dark colored, cooled rapidly on Earth's surface, and is composed mainly of plagioclase feldspar, olivine, and pyroxene?
 - obsidian
 - rhyolite
 - gabbro
 - scoria

7. Which graph best represents the relative densities of three different types of igneous rock?



8. Which igneous rock has a vesicular texture and a felsic composition?

- A. pumice
- B. basalt
- C. granite
- D. scoria

9. The photograph below shows an outcrop where a light-colored, igneous rock is cross cut by a dark-colored, igneous rock.



This fine-grained, dark-colored, igneous rock is most likely

- A. rhyolite
- B. diorite
- C. basalt
- D. gabbro

Felsic and Mafic Igneous rocks 6/21/2018

1.
Answer: B
2.
Answer: A
3.
Answer: D
4.
Answer: C
5.
Answer: C
6.
Answer: D
7.
Answer: D
8.
Answer: A
9.
Answer: C