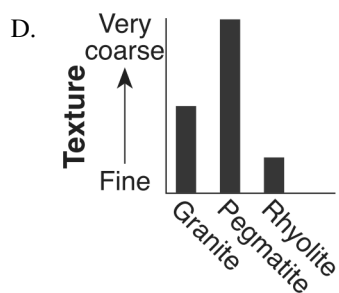
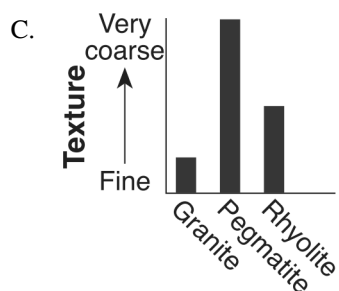
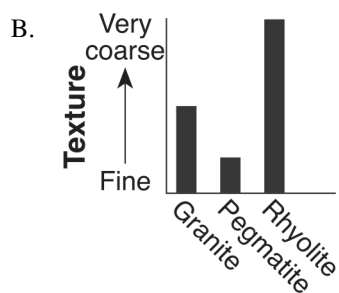
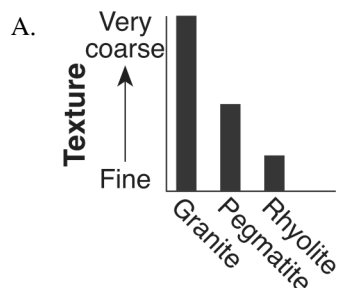


Intrusive vs extrusive igneous rocks

Name: _____

Date: _____

1. Which graph best represents the textures of granite, pegmatite, and rhyolite?



2. Which texture best describes an igneous rock that formed deep underground?

- A. glassy B. vesicular
C. fine grained D. coarse grained

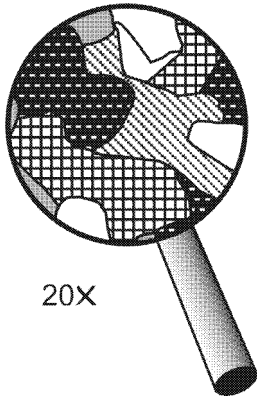
3. Base your answer(s) to the following question(s) on the *Earth Science Reference Tables* and on your knowledge of Earth science.

A fine-grained igneous rock composed mostly of plagioclase feldspar and hornblende and containing no quartz or pyroxene would be classified as

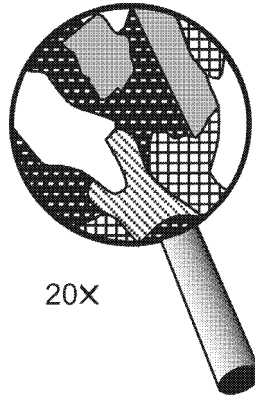
- A. granite B. andesite
C. peridotite D. scoria

4. The diagrams below show the crystals of four different rocks viewed through the same hand lens. Which crystals most likely formed from molten material that cooled and solidified most rapidly?

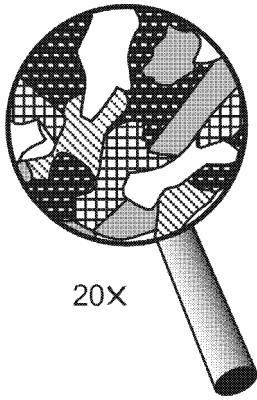
A.



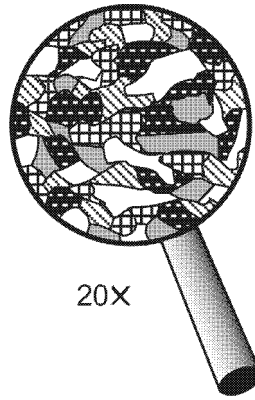
B.



C.



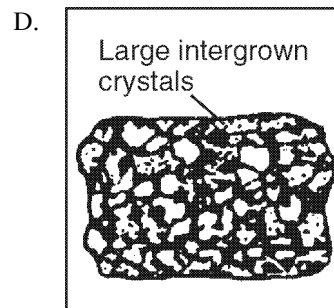
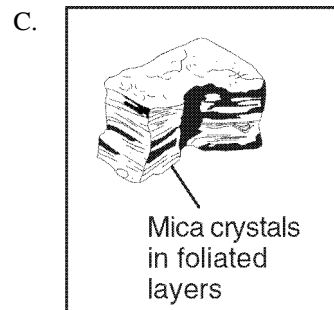
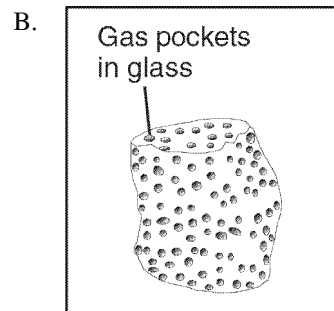
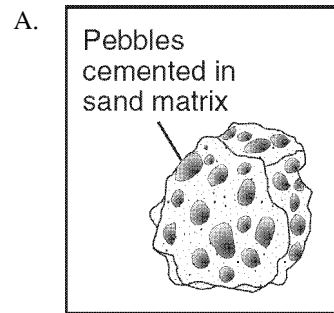
D.



5. Which common rock is formed from the solidification of molten material?

- A. rock gypsum B. slate
- C. rhyolite D. coal

6. Which rock most probably formed directly from lava cooling quickly at Earth's surface?



7. The three statements below are observations of the same rock sample:

- The rock has intergrown crystals from 2 to 3 millimeters in diameter.
 - The minerals in the rock are gray feldspar, green olivine, green pyroxene, and black amphibole.
 - There are no visible gas pockets in the rock.
- This rock sample is most likely

- A. sandstone B. gabbro
C. granite D. phyllite

8. Which igneous rock is dark colored, cooled rapidly on Earth's surface, and is composed mainly of plagioclase feldspar, olivine, and pyroxene?

- A. obsidian B. rhyolite
C. gabbro D. scoria

Intrusive vs extrusive igneous rocks 6/21/2018

- | | |
|---------|---|
| 1. | |
| Answer: | D |
| 2. | |
| Answer: | D |
| 3. | |
| Answer: | B |
| 4. | |
| Answer: | D |
| 5. | |
| Answer: | C |
| 6. | |
| Answer: | B |
| 7. | |
| Answer: | B |
| 8. | |
| Answer: | D |