

M O D E R N E A R T H S C I E N C E

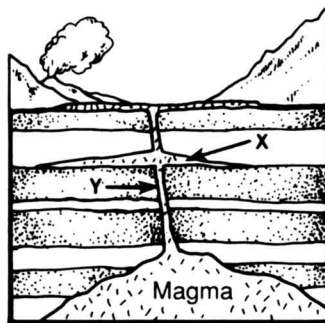
Section 10.2
Igneous Rock

Read each statement below. If the statement is true, write *T* in the space provided. If the statement is false, write *F* in the space provided.

- _____ 1. Mafic rocks are light-colored rocks that are high in silica.
- _____ 2. Laccoliths often form small, dome-shaped mountains.
- _____ 3. A sill is an igneous structure that cuts across rock layers.
- _____ 4. Batholiths are metamorphic rock structures.
- _____ 5. Volcanic glass forms when magma cools very quickly.

Choose the one best response. Write the letter of that choice in the space provided.

- _____ 6. An igneous rock with a mixture of large and small grains is said to have:
 - a. a porphyritic texture.
 - b. an intrusion.
 - c. an extrusion.
 - d. a breccia.



- _____ 7. The structure labeled **X** in the diagram is a:
 - a. sill.
 - b. dike.
 - c. stock.
 - d. batholith.
- _____ 8. The structure labeled **Y** in the diagram is a:
 - a. sill.
 - b. dike.
 - c. laccolith.
 - d. batholith.
- _____ 9. Which of the following is one of the three families of igneous rocks?
 - a. clastic
 - b. foliated
 - c. gabbro
 - d. mafic
- _____ 10. Felsic rocks are high in:
 - a. quartz.
 - b. silica.
 - c. biotite.
 - d. calcite.