

USE Lab Folder

Name _____

Period _____ Date _____

IGNEOUS-ROCK QUESTIONS

1. What type of igneous rock is granite? _____

2. What does that tell about where granite is formed, below Earth's surface from magma or above from lava? _____

3. Many mountain ranges are composed of granite, such as the Sierra Nevada in California and the Rocky Mountains. Considering what you know about granite, how can you explain this? _____

4. What kind of igneous rock is basalt? _____
5. What does that tell you about where basalt is formed? _____

6. You can find basalt at Mile 179 in the Grand Canyon. The basalt is on top of all the other layers. What does this tell you about the geological history of this area of the Grand Canyon? _____

7. If you walked around on the rim of the Grand Canyon near Mile 179, you might find chunks of obsidian.

What kind of igneous rock is obsidian? _____

What does obsidian look like? _____

Explain this appearance of obsidian, using what you know about how temperature and cooling rate affects crystal size in igneous rock.

