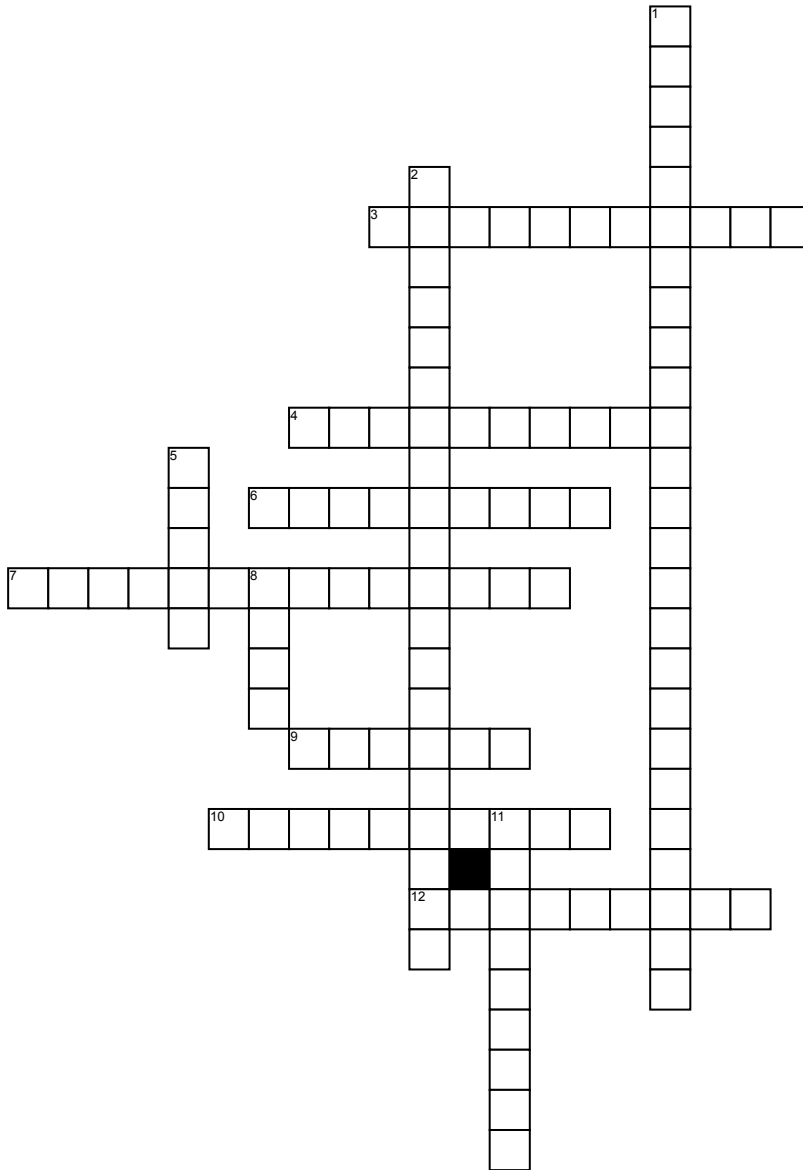


Name: _____

Chapter 5 Vocab



Across

- 3.** relating to or denoting a rock texture, typically found in volcanic rocks, containing distinct crystals or crystalline particles embedded in a fine-grained groundmass.
- 4.** relating to or denoting igneous rocks composed chiefly of mafic minerals.
- 6.** a coarsely crystalline granite or other igneous rock with crystals several centimeters to several meters in length.
- 7.** occurs when only a portion of a solid is melted.

9. relating to or denoting a group of light-colored minerals including feldspar, feldspathoids, quartz, and muscovite.

10. a rare, blue-tinged, coarse-grained intrusive igneous rock sometimes containing diamonds, found especially in South Africa and Siberia.

12. form when magma reaches the Earth's surface a volcano and cools quickly.

Down

1. the removal and segregation from a melt of mineral precipitates; except in special cases, removal of the crystals changes the composition of the magma.

2. the work of the petrologist, Norman L. Bowen who summarized, based on experiments and observations of natural rocks, the crystallization sequence of typical basaltic magma undergoing fractional crystallization.

5. relating to, denoting, or containing a group of dark-colored, mainly ferromagnesian minerals such as pyroxene and olivine.

8. hot molten or semifluid rock erupted from a volcano or fissure, or solid rock resulting from cooling of this.

11. form when magma cools slowly below the Earth's surface.