

Chapter 20 Section 3 Guided Reading

1. Three reasons the interior of Earth is still hot are

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2. A cooling magma chamber does so very slowly, forming _____ during each gradual change in temperature, with the higher melting point minerals forming first, and the lower melting point minerals last.

3. _____ is the process by which crystals form and increase in size.

- a) Melting
- b) Crystallization
- c) Convection

4. If cooling of magma is very slow, _____ crystals form. If cooling is quicker, _____ crystals form.

- a) small, large
- b) medium, large
- c) large, small

5. If given an igneous rock with small crystals that is dark in color, what could you say about how and where the rock was formed?

6. _____ rocks form deep within Earth's crust.

7. _____ rock form at Earth's surface.

8. _____ igneous rocks have large crystals, and _____ rocks have small crystals.

9. T/ F Granite is an intrusive igneous rock.

10. Match the correct rock with its relative silica content. Use "L" for low silica and "H" for high silica. Also state whether the rock has large or small crystals. Use "G" for large, "S" for small, and "N" for none.

Gabbro _____

Obsidian _____

Basalt _____