## **Review Questions for Chapter 1: Some Fundamental Concepts.**

1.	In the early 19 <sup>th</sup> century the origin of igneous rocks was hotly debated between the "Plutonists,"
	who believed in an igneous origin, and the "Neptunists," who believed that the crystalline nature
	originated as a submarine precipitate. What field and textural criteria can you imagine that would
	indicate the former rather than the latter?

- 2. What distinguishes:
  - a. Volcanic from plutonic rocks?
  - b. Pyroclastic volcanics?
  - c. Magma from lava?
- 3. What are the four principal compositional subdivisions of the Earth? What material or rock type broadly represents each and what is the approximate thickness of each?