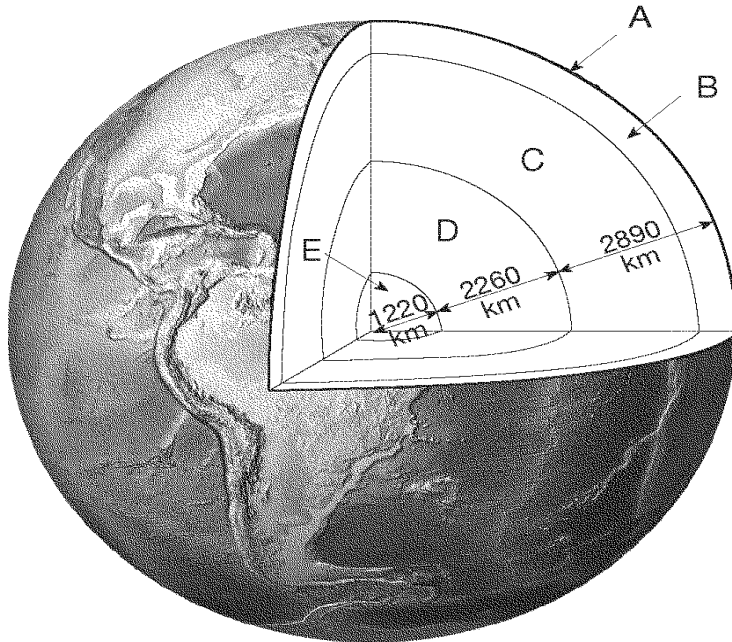


## Chapter 1 - Intro. Earth Science Study Guide

1. What areas of Earth science have we talked about in class?
2. What is the study of the atmosphere and the processes that produce weather and climate?
3. The inner planets—Mercury, Venus, Earth, and Mars—were formed by \_\_\_\_.
4. Earth's four major spheres are the \_\_\_\_.
5. Which of Earth's spheres includes the oceans, groundwater, lakes, and glaciers?



**Figure 1-1**

6. In Figure 1-1, what layer of Earth's geosphere is labeled A?
7. In Figure 1-1, what layer of Earth's geosphere is labeled C?
8. What are the three main parts of the geosphere?
9. The theory of plate tectonics helps scientists explain \_\_\_\_.

### Completion

*Complete each statement.*

10. A group of sciences called \_\_\_\_\_ science deals with Earth and its neighbors in space.
11. Which hypothesis suggests that our solar system evolved from a huge rotating cloud of dust and gas?
12. Earth can be divided into four major spheres: what are they?
13. Which theory provides a model to explain how volcanoes and earthquakes occur and how continents move?

14. According to the theory of plate tectonics, there are forces such as volcanism and mountain building, where forces receive energy from Earth's interior. What is the name for these forces that come from the Earth's interior?
15. List the traditional subdivisions of Earth science.