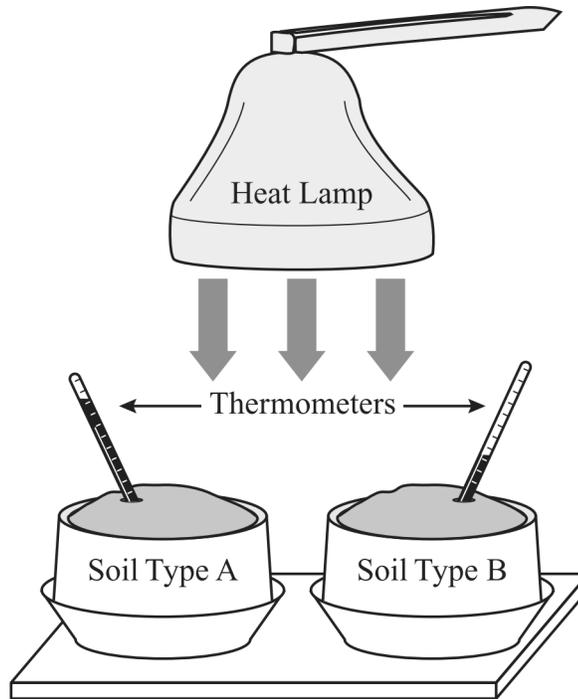


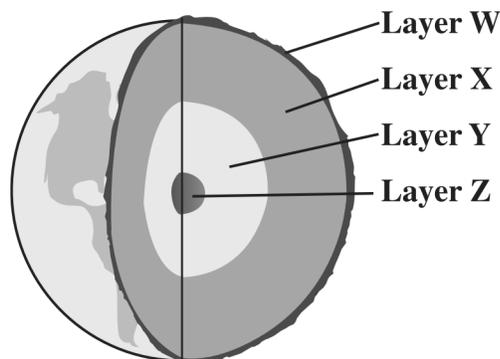
1. The diagram below represents an experiment on different types of soil.



The thermometers are measuring the temperature of the center of the soil samples. Which of the following is a cause of the measured difference in the temperature of the two soils?

- A. conduction within different soil types
- B. condensation within different soil types
- C. radiation emitted by different soil types
- D. convection in the air above different soil types

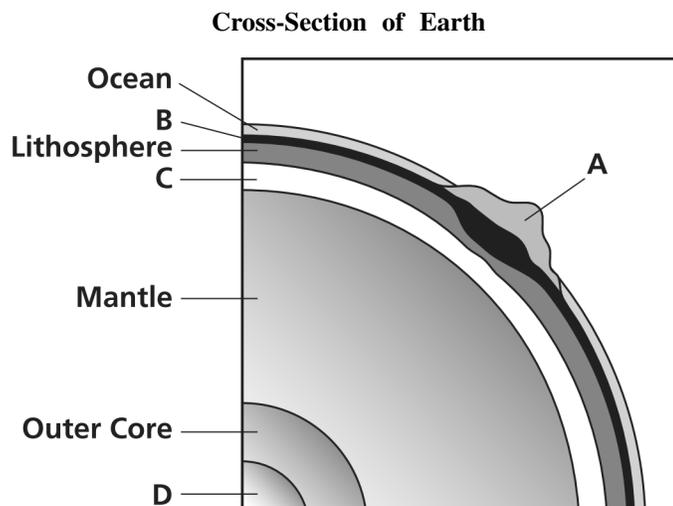
2. The diagram below shows four layers of Earth's internal structure.



Which layer is composed mostly of solid iron and nickel?

- A. layer W
- B. layer X
- C. layer Y
- D. layer Z

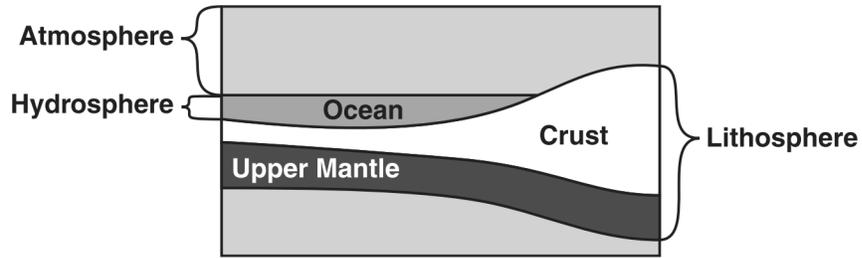
3. Which method is best for studying the composition of Earth's core?
  - A. Drill holes to the center of Earth to take samples.
  - B. Study rocks eroded by rivers.
  - C. Study earthquake waves.
  - D. Take samples in a cave.
  
4. Which *best* summarizes the composition of Earth's core?
  - A. It contains a solid outer region surrounding a liquid iron core.
  - B. It contains a liquid outer region surrounding a solid iron core.
  - C. It contains a semi-liquid rock outer region surrounding a liquid core.
  - D. It contains a basalt, semi-liquid outer region surrounding a solid core.
  
5. The following diagram shows a cross-section of Earth.



Which letter represents the location of the asthenosphere?

- A. A
  - B. B
  - C. C
  - D. D
- 
6. In which layer of Earth can a garden and rocks be found?
    - A. Exosphere
    - B. Hydrosphere
    - C. Lithosphere
    - D. Stratosphere
  
  7. Jamal makes a scale model of Earth for a school project. In his model, he uses different materials to show each layer of Earth. Which layer in his model should be the thinnest?
    - A. Mantle
    - B. Crust
    - C. Outer core
    - D. Inner core
  
  8. Which part of Earth is hottest?
    - A. Core
    - B. Crust
    - C. Mantle
    - D. Surface

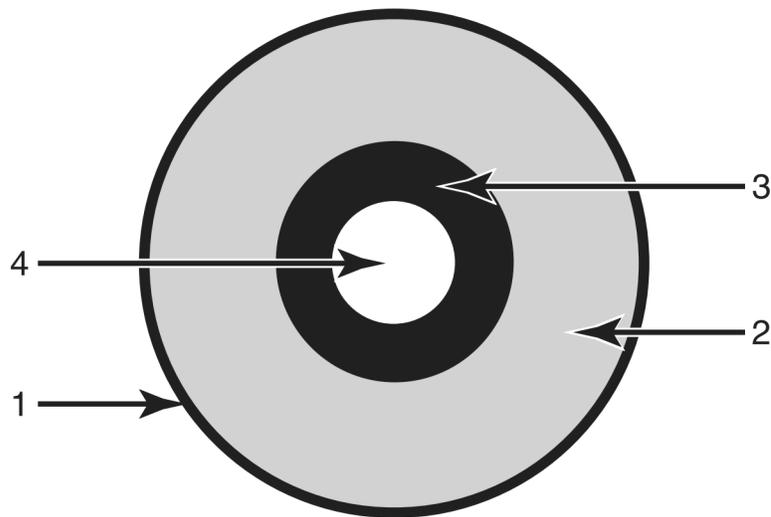
9. The diagram below shows three of Earth's layers: the atmosphere, the hydrosphere, and the lithosphere.



Which of these is the range in which life exists?

- A. From beneath the lithosphere to the top of the atmosphere
- B. From the bottom of the lithosphere to the top of the hydrosphere
- C. From the upper part of the hydrosphere to the top of the atmosphere
- D. From the upper part of the lithosphere to the lower part of the atmosphere

10. The diagram below shows a cross section of Earth.



Which numbered part of the diagram represents the mantle of Earth?

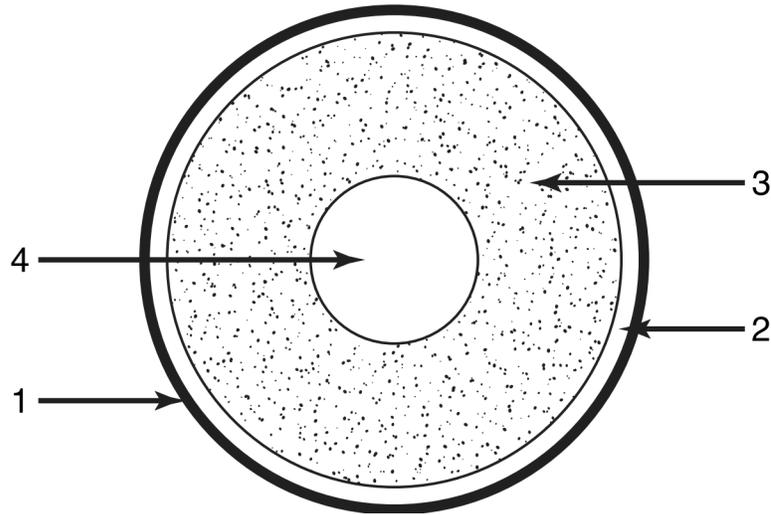
- A. 1
- B. 2
- C. 3
- D. 4

11. The crust, the mantle, and the core are structures of Earth.

Which description is a feature of Earth's mantle?

- A. contains fossil remains
- B. consists of tectonic plates
- C. is located at the center of Earth
- D. has properties of both liquids and solids

12.



Which numbered arrow indicates the core of Earth?

- A. Arrow 1                      B. Arrow 2                      C. Arrow 3                      D. Arrow 4

13. Which of the following *most likely* causes Earth's inner core to be a solid?

- A. The pressure at the core is very high.                      B. The metals in the core are very heavy.  
C. The temperature of the core is very low.                      D. The chemicals in the core are very reactive.

14. A layer of solid brittle rock comprises the outer 100 kilometers of Earth. This layer, which contains both the crust and the upper mantle, is called the

- A. core.                      B. sediment.                      C. lithosphere.                      D. hemisphere.

15. Which of the following Earth layers has the *greatest* density?

- A. crust                      B. mantle                      C. inner core                      D. outer core

Class: \_\_\_\_\_ Earth's Interior Quiz 9/22/2018

1.  
Answer: A
2.  
Answer: D
3.  
Answer: C
4.  
Answer: B
5.  
Answer: C
6.  
Answer: C
7.  
Answer: B
8.  
Answer:
9.  
Answer: D
10.  
Answer: B
11.  
Answer: D
12.  
Answer: D
13.  
Answer: A
14.  
Answer: C
15.  
Answer: C