

Earth's Inner Layers Practice Worksheet

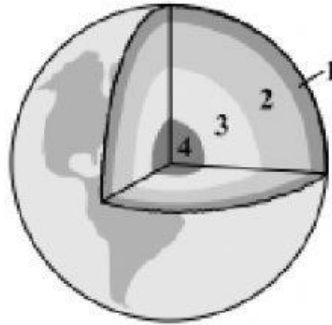
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1. Fill in the blank(s):

Complete the sentence using the word **crust**, **core**, or **asthenosphere**.

The _____ is made up of rock that is less dense than the mantle.

2. The diagram below shows four layers of Earth. Each layer is identified by a number.



Which layer is mostly made of molten iron and nickel?

- a. layer 1 - Crust
 - b. layer 2 - Mantle
 - c. layer 3 - Outer core
 - d. layer 4 - Inner core
3. Earth's crust occupies less than one percent of the planet's volume.
- a. TRUE
 - b. FALSE
4. The asthenosphere is a solid but it can flow.
- a. TRUE
 - b. FALSE

5. Fill in the blank(s):

Complete the sentences using **lithosphere** and **asthenosphere**.

The _____ is brittle but solid and rigid. It can be cracked or broken easily. The _____ is the upper mantle area and is solid but can flow and bend like silly putty or slime.

6. The layer below lithosphere is known as the _____.

- a. Asthenosphere
- b. Mesosphere
- c. Outer core
- d. None of the above

7. Which of these statements is not true about the mantle?

- a. The mantle is extremely hot
- b. It is about 68% of Earth's mass
- c. The entire mantle can be divided into two parts, the lithosphere and the asthenosphere
- d. It is made of ultramafic rock

8. Earth's core is _____.

- a. Felsic
- b. Mafic
- c. Ultramafic
- d. Metallic

9. The mantle is the _____ layer of Earth.

- a. inner
- b. middle
- c. outer

10. The depth of the boundary between the mantle and the core is about 1,000 km.

- a. TRUE
- b. FALSE

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