Earth's Inner Layers Practice Worksheet

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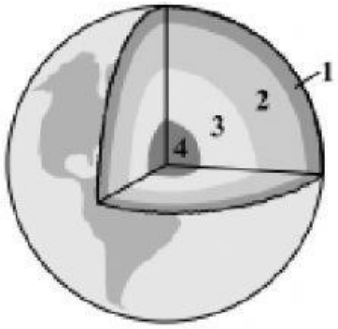
1. Fill in the blank(s):
   Complete the sentence using the word **crust**, **core**, or **asthenosphere**.
   The _____ is made up of rock that is less dense than the mantle.

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 _____.

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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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Printed: February 12, 2021

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