

Earth's Interior Practice Worksheet

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1. Density is defined as mass per unit volume.
 - a. TRUE
 - b. FALSE

2. Iron and nickel are both magnetic.
 - a. TRUE
 - b. FALSE

3. Because Earth has a magnetic field, there must be metal within the planet. This information has led scientists to conclude that the core is metallic. What does that conclusion indicate is true of the rest of the planet?
 - a. It has a lower concentration of metal than the core
 - b. It has a higher concentration of metal than the core
 - c. It has a similar concentration of metal to the core
 - d. It is mostly iron and nickel

4. Scientists learn about Earth's interior from seismic waves, rocks and calculations of density and magnetism.
 - a. TRUE
 - b. FALSE

5. We can study the Earth's core using visible light.
 - a. TRUE
 - b. FALSE

6. Complete the sentence using the word **magnetic**, **seismic**, or **meteoric**.
Waves of energy that radiate out from an earthquake's focus are called _____ waves.

Answer:

7. Fill in the blank(s):
Complete the sentence using **crust**, **mantle**, or **core**.
The density of Earth as a whole is too great for it to only be made of the rocky materials at the _____-
_____.

8. Earth's magnetic field is a clue that Earth's interior must be made of

- a. Rock
- b. Metal
- c. Sediment
- d. Both B and C

9. Remains of materials that formed in the early solar system are found on Earth as _____.

- a. Oceanic crust
- b. Material that comes to the surface from the mantle
- c. Material that comes to the surface from the core
- d. Meteorites

10. Does Earth's interior contain metals?

- a. yes
- b. no

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