

Name:

3.17 Earth's Core

1. What evidence is there that [Earth's core](#) is metal?

2. What evidence is there that the outer core is molten?

3. Why does Earth have a [magnetic field](#)?

Explore More

Use this resource to answer the questions that follow.

1. What layers does the core have within it according to the study described in this video?

2. How deep is the core? What is its [temperature](#)?

3. What clues to researchers use to “see” what is in Earth’s interior?

4. What was the inner core thought to be previously?

5. What do scientists now think is inside the core? How big is it?

6. What is the interior made of? How do scientists know this is different from the material outside of it?

7. How are crystals aligned in the inner, inner and outer inner cores?

8. Why is this information important?