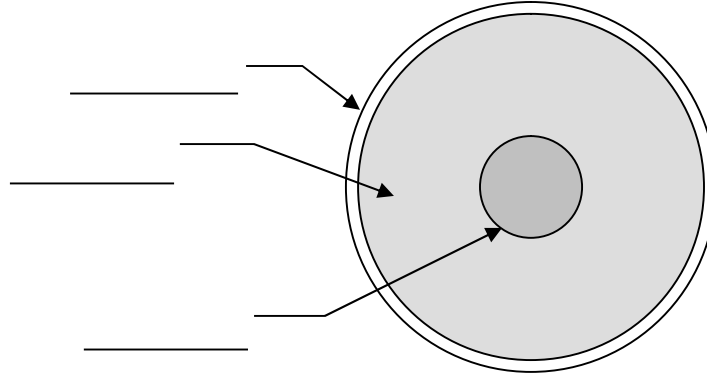


Lesson 1 Homework

What's inside the Earth?

What does “geology” mean?

Label the regions of the earth.



What is the center of the Earth like?

How deep is the deepest hole anyone has ever dug in the crust?

How do we know that the earth's crust is divided into plates that move around?

Use the rebus below to remember the name of the large mass of land before the continents broke up.



Check it out!

Here are two good videos about Pangaea and continental drift.

<https://www.youtube.com/watch?v=Nlzehe4mta4>

<https://www.youtube.com/watch?v=VKq0pr4rbRs>

Exploring the Earth



We know more about the stars in the sky than we do about what's under the crust of the earth. Read page 340 – 343 in Space and Earth (Book B) to find out why. Answer the questions below on notebook paper.

1. How do geologists learn about the interior of the earth?
2. What is a seismologist?
3. Where is the earth's crust the thickest? Where is it the thinnest?
4. What did Andrija Mohorovicic discover in 1909?
5. What is a discontinuity? (Hint: There is a glossary at the end of the book.)
6. Where is the Moho discontinuity?
7. "Litho" means rock. What is the lithosphere?
8. What happens in the asthenosphere?
9. The core is divided into two regions: the inner core and the outer core. What does the flow of the liquid portion of the core probably cause?
10. When did scientists first try to break through the crust of the earth?
11. Why are most deep holes dug by commercial companies?
12. Where is the deepest hole in the Earth?
13. What did the Russians discover when they broke through the crust?

EXPLORE!

Optional: The earth's crust is divided into tectonic plates. There are nine major plates and six minor plates. Find a map online that shows the boundaries of the plates. Print a copy of the map. Use an atlas to find out where the large mountain ranges of the earth are located. Mark the areas that have large mountain ranges on your map. What do you notice about the location of the mountains and the edges of the plates?