
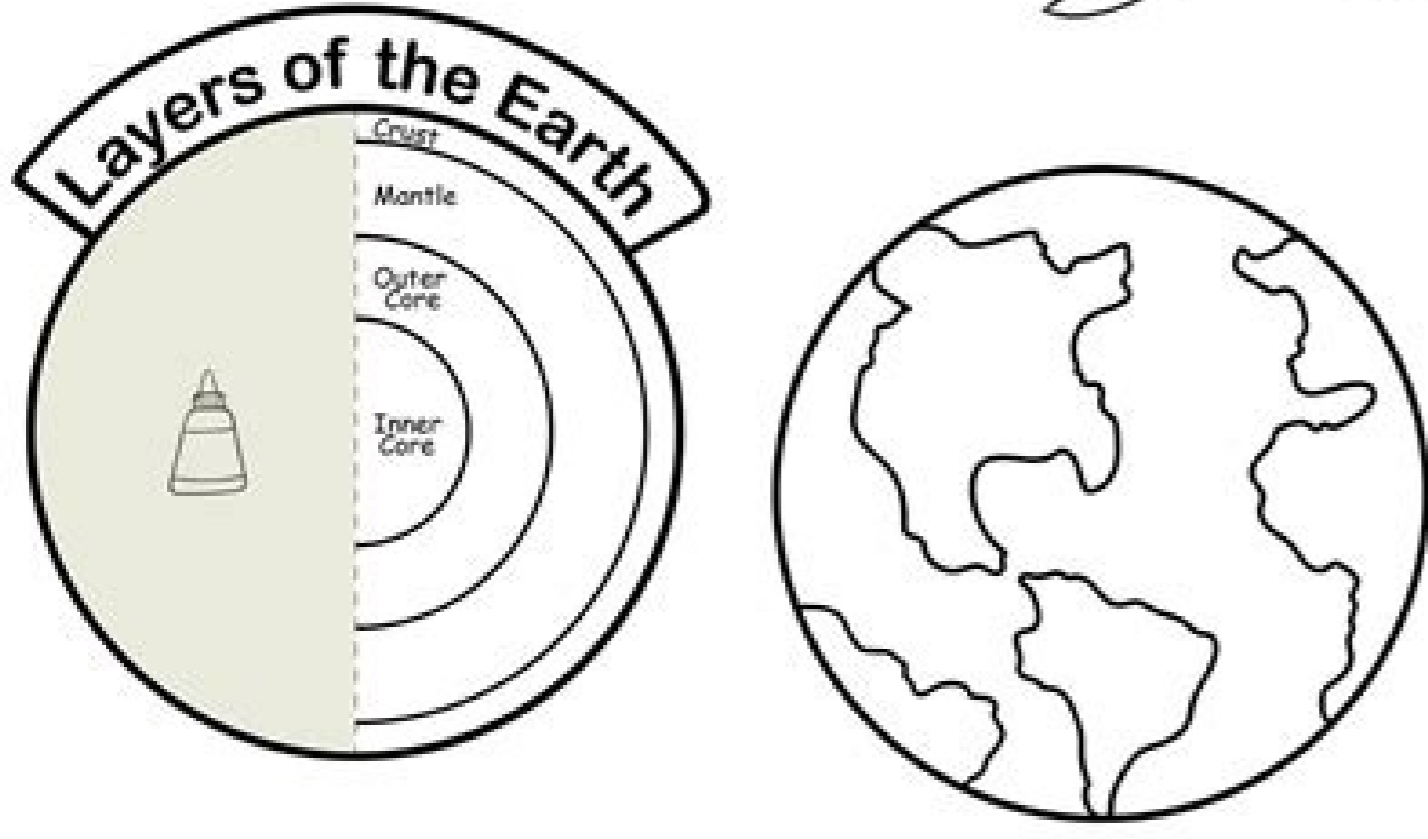


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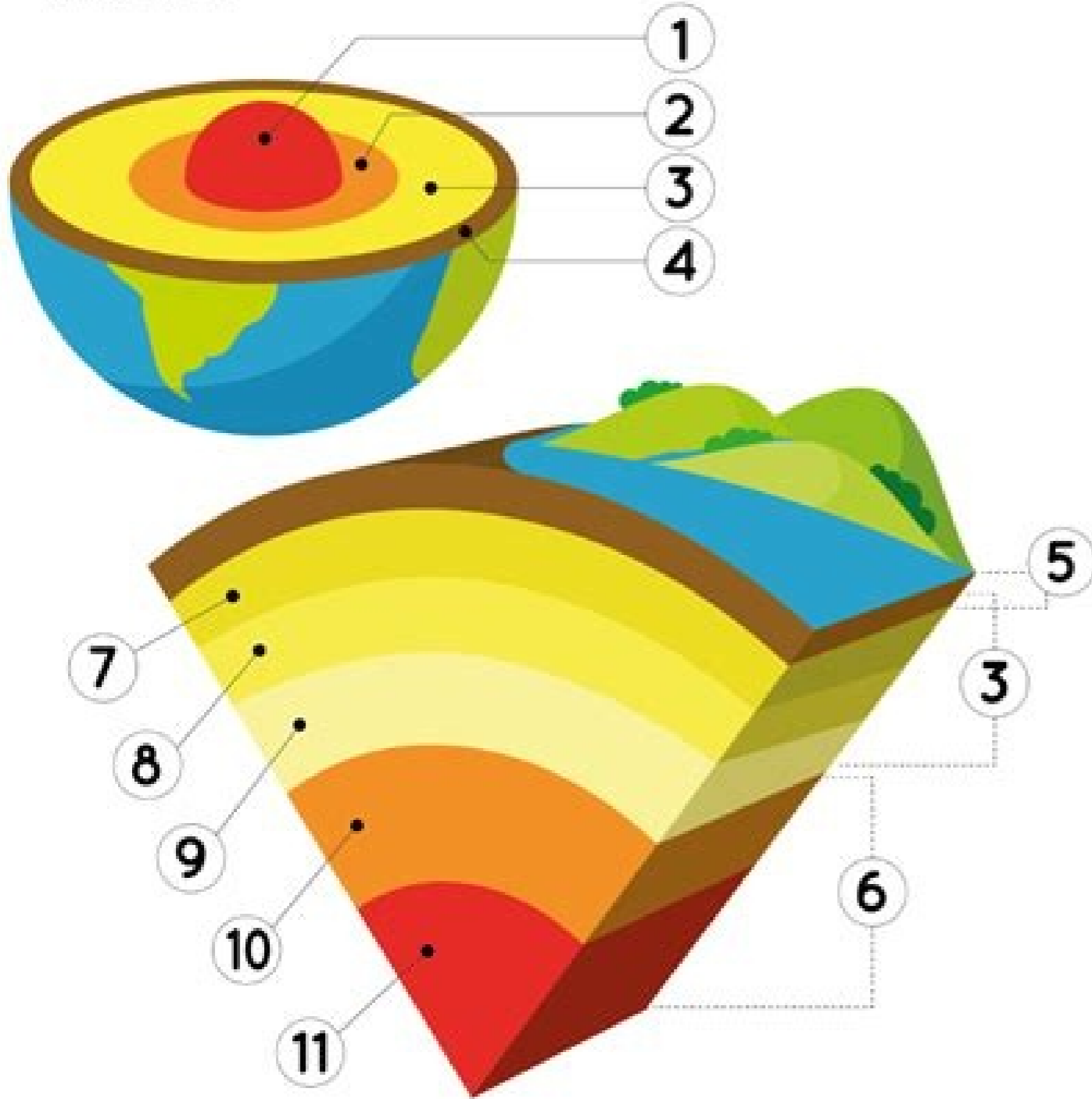
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4 Layers of the Earth

SKOOLGO

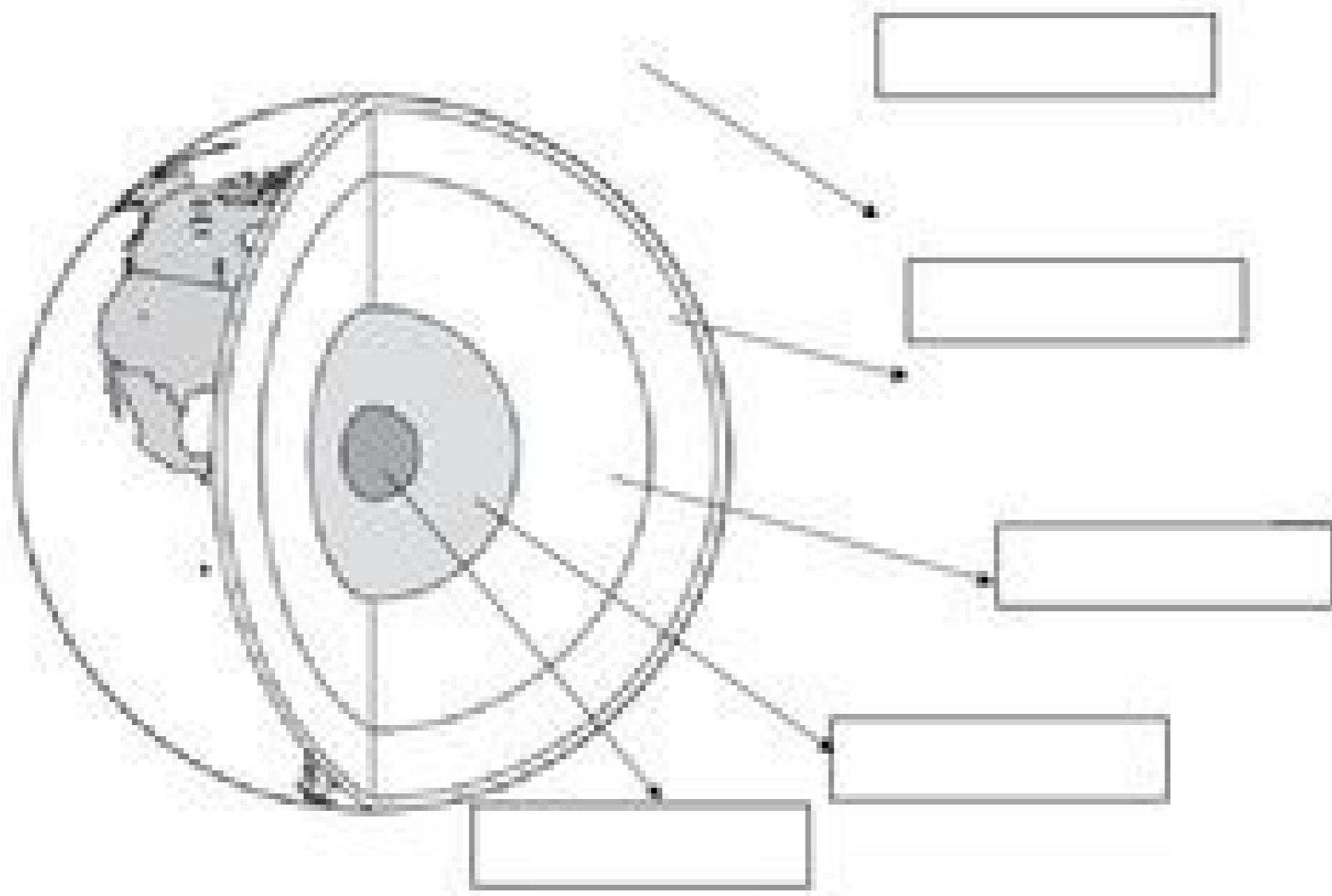
Name: _____

Identify each layer and sub-layer of the Earth by writing the right numbers in the circles:



- | | | |
|---------------------------------------|--|---|
| <input type="checkbox"/> Mantle | <input type="checkbox"/> Asthenosphere | <input type="checkbox"/> Outer Core |
| <input type="checkbox"/> Lower Mantle | <input type="checkbox"/> Core | <input type="checkbox"/> Crust |
| <input type="checkbox"/> Inner Core | <input type="checkbox"/> Upper Mantle | <input type="checkbox"/> Lithosphere (Crust + Upper most solid mantle) |

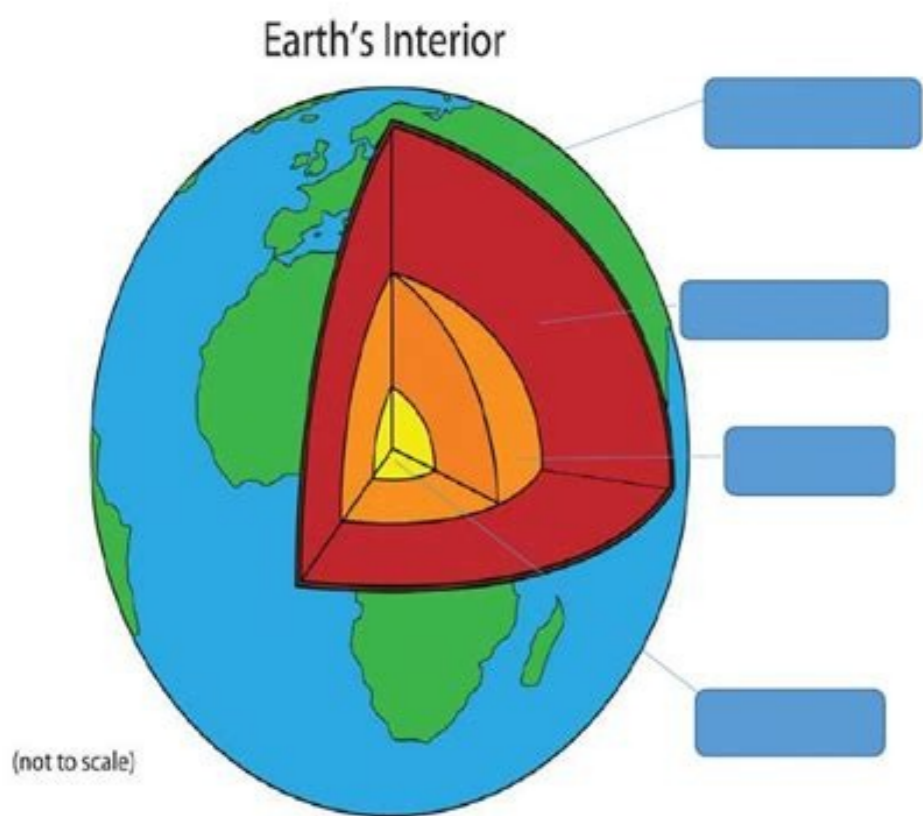
Layers of the Earth Name: _____



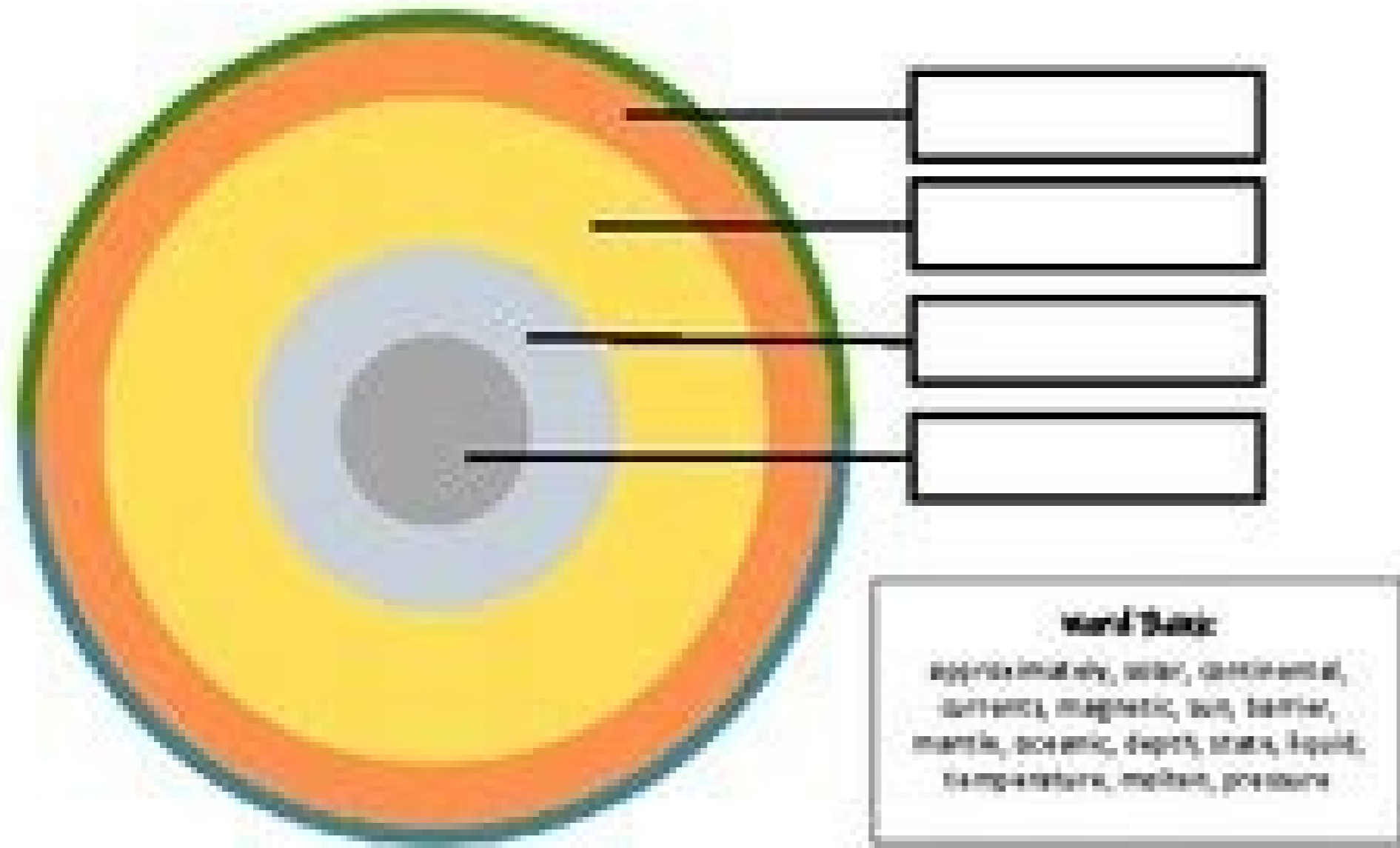
1. The _____ is the thinnest layer of the earth.
2. The _____ makes up the largest part of the earth's interior.
3. The temperature of the earth gets _____ as you get closer to the _____ and _____ as you move toward the _____.
4. Earthquakes are caused by tectonic plates _____.
5. Tremors are _____.
6. What are aftershocks?

NOBLE GUIDE ACADEMY ABUJA

Subject: Knowledge and Understanding of the World Class: Reception
Topic: Structure / Layers of the Earth
Instruction: Name the Structure / Layers of the Earth



Layers of the Earth



Crust

The crust comprises two main parts: continental and oceanic. Continental crust ranges in thickness up to 70km (44 miles) thick and is made mostly of granite, silicates and aluminium. Temperatures in the crust range from 500 °C - 1,000 °C (900 °F - 1,800 °F). The crust is approximately 6 km (4 miles) thick and is primarily made up of silicates, magnesium and basalt.

Mantle

The mantle is much deeper than the crust at almost 2,900 km (1,802 miles) deep and is made up of predominantly silicate rocks and magnesium. The mantle is both solid and liquid in places and ranges in temperature from 1000 °C - 3700 °C (1832 °F - 6692 °F). Convection currents move material around the mantle.

Outer Core

The Earth's outer core is made up of iron and nickel and is so hot that the metals are in a molten form. The outer core is about 2,200 km (1,367 miles) thick and the temperature ranges between 4,500 °C - 5,500 °C (8,132 °F - 9,932 °F). The outer core creates a magnetic field, which goes way out into space, forming a protective magnetosphere around the earth. This protective barrier shields us from the sun's damaging solar wind.

Inner Core

The Earth's inner core is a hot, solid ball made up of solid iron and nickel, with a radius of 1,220 km (758 miles). The inner core stays solid because of the heat of the surrounding mantle. The inner core is the hottest part of the Earth and is about as hot as the surface of the sun, at 5,200 °C (9,392 °F).

Layers of the earth free printable worksheet.

It's really quite fascinating. It would be great to use if you are learning about planet Earth in astronomy, or if you are studying Earth science. She is still trying to find the balance between work and keep a home and says she can only do it by the grace of God and coffee! Copyright © 2021 K5 Learning Adanna Dill Homeschool New York City Free printable beds from the spreadsheets of the earth for children! Print our layers of earth diagrams, charts, color pages, nomenclature cards, labeling sheets and more today! Everything you need to teach your students about the Earth layers. Free layers of the Earth spreadsheets, such as the Earth layers and use this Earth spreadsheet as a reference guide or study sheet. Quiz or his students in the 5 layers of the earth. In this unit of notebooks, your children will be able to take a look at 26 layers or spheres of the Earth, and will research and record facts in their own journal. As the planet cools, the inner core is cooling and expanding, Stephenson said, so that the internal core structure of the inner core can have something for the way iron crystallizes as it cools, or it can be due to changes in the way metal behaves Great temperatures and pressures. The core image is complex, partly because the deep earthquakes scientists use for the image do not occur evenly around the world. An additional coloring page provides an Earth wedge as a cross-section for children to color. Layers of Project Earth Project Project Earth Sciences for Children A simple coloring page for children to color and label the different layers of the Earth. The three main layers are crust, mantle and core, with many of these layers having even more layers within them. A blank page of notebooks for children is perfect label the layers of the earth and store important facts while practicing writing skills. What are the layers of the earth? You'll find that our planet contains 5 layers: inner layer, inner core, outer core, lower mantle, upper mantle and crust. Pair it up with layers of the earth book either at the library or on Amazon. These phases are usually too subtle to make out from a single earthquake, but they can be detected in large datasets of thousands of earthquakes. The core is important to understand, Stephenson said, because its swirling interactions create Earth's magnetic field. At this depth, the anisotropy seemed not to match that of the rest of the inner core. "For the last two decades it has been very, very unclear what this signal in the center of the Earth in the data is and why we see it," Stephenson said. Stephenson and her colleagues brought together a dataset of about 100,000 earthquake waves that passed through this level of the core and applied an algorithm that searches for the best physical explanation of what's going on to explain the data. The Layers of the Earth Our earth is not just made up of dirt and soil, it is more complex than that. Seismologists and geophysicists are now working on ways to tease out subtle types of earthquake waves called exotic phases that have passed through the inner core. Your children will really be able to see the different layers come alive with all of these printables and hands-on activities we have put together for you. The technical term for this oddity is anisotropy. Deep mysteries But at the very center of the inner core, something seems to be different, scientists noticed in the early 2000s. Free set of printable cores of the earth cards for learning the names of the different layers of the earth. Layers of the Earth Diagram Did you know there are 5 layers of the earth? Children can color in the different parts listed on each card. The study reveals that there is more complexity to the inner core than previously appreciated, said Jo Stephenson, a doctoral student in seismology at Australian University in Canberra, which led the research. "It's not just a solid iron ball," Stephenson told Live Science. Related: The 8 greatest mysteries of the Earth A complex core The Earth core comes in two parts. Researchers are now working with mineral and geodynamic physicists to try to find models of the inner core that would explain this change. The magnetic field, in turn, protects the planet from charged particles flowing from the sun. A blank labeling sheet for children to name each layer of the Earth. A blank notebook page for children is useful for labeling the Earth layers and storing key facts on the side. There are 27 pages and it is an instant download! Hands-On Land Layers Activities: Discovering the Earth Layers with Play-Dough DIY 3D Layers of the Earth Pop-up Lego Diagram Soil layers of Earth activity with Legos Make a Terra Pizza Layers of Earth Craft with Colorful Rice and Bean Layers of Earth Hands-in activity free science rocks and fossil resources If you are learning about Earth science, you will enjoy some rocks and fossil resources: Free Printables and Resources on Rocks and Fossils Free Instant Download: Rock Terminology Copywork Notebook If you are also studying natural disasters such as earthquakes or volcanoes - or even learning about time, make sure to check our natural disaster resources page and free time. The liquid outer core starts at about 1,800 miles (2,897 kilometers) of the Earth's surface and is made of liquid metals at temperatures from 4,000 to 9,000 degrees Fahrenheit (2,204 to 4,982 degrees Celsius.) If you weren't aware, your kids probably weren't too! Enjoy our free layers of the earth's spreadsheets that will teach your children (and maybe you?) simple facts about our amazing planet. What they found out was that in the core starting about 400 miles (650 km) from center the earth is made of iron and nickel. The inner core is solid iron and nickel, with a radius of 1,220 km (758 miles). The inner core stays solid because of the heat of the surrounding mantle. The inner core is the hottest part of the Earth and is about as hot as the surface of the sun, at 5,200 °C (9,392 °F).

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