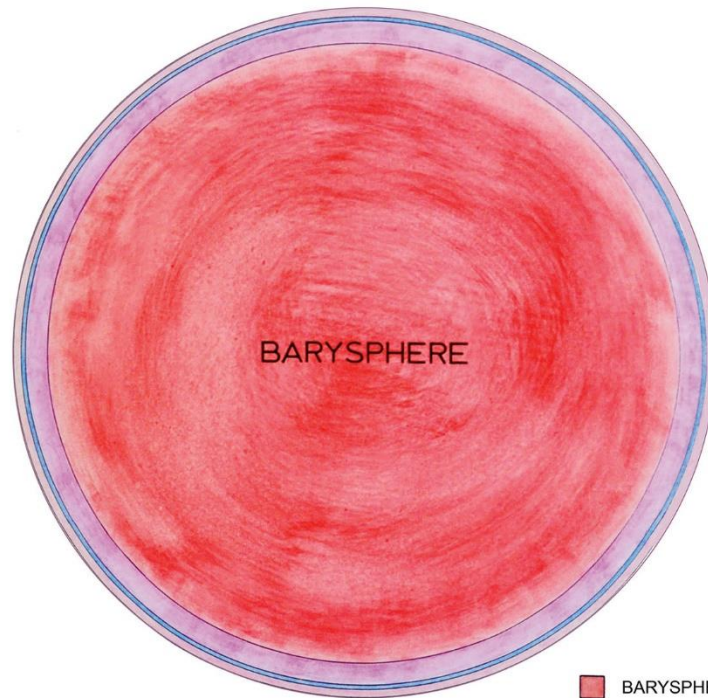


Study the chart below and answer the following questions.



- BARYSPHERE
- LITHOSPHERE
- HYDROSPHERE
- ATMOSPHERE

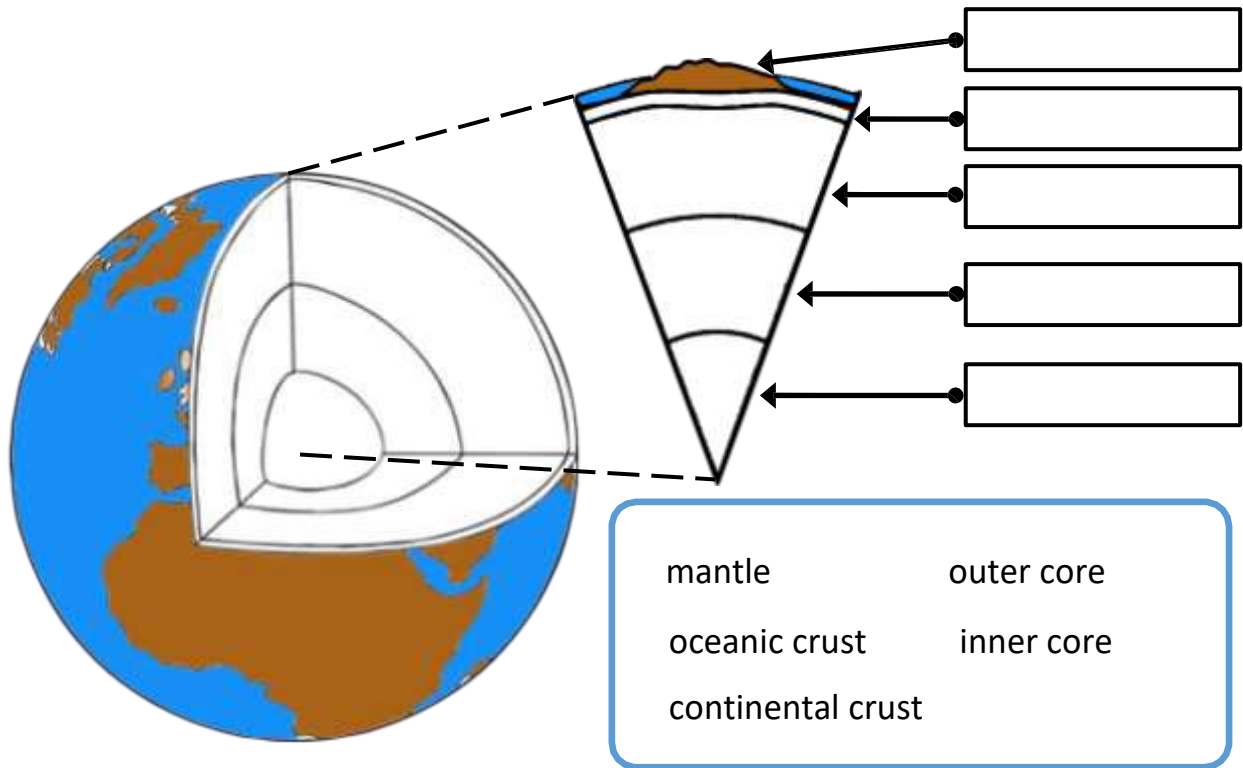
Which layer do we live on? _____

Which layer is the heaviest? _____

Which layer is the lightest? _____

Which layer is the thinnest? _____

Label and color the layers of the Earth.



Draw a line to match each layer of the Earth to its description.

• oceanic crust

• mantle

• continental crust

• outer core

• inner core

• Solid ball as hot as the surface of the Sun

• Made of liquid iron and nickel

• The part of the Earth we live on

• Where volcanic lava comes from

• Layer directly under the oceans

Composition of the Earth Activity

Supplies needed:

- 5 colors of modelling clay
- waxed dental floss

Directions:

1. Form a ball to represent the inner core. We chose red to represent the intense heat of the **inner core**.
2. Next, roll out a circle of another color and wrap around the ball and roll gently. This next layer represents the **outer core**.
3. Each subsequent color will need more modelling clay than the last. You will need a color to represent the **lower mantle**, another for the **upper mantle**, and the outer layer for the **crust**.
4. Once your ball of 5 layers of modelling clay is complete, use a piece of waxed dental floss to cut the ball down the middle, revealing all the layers underneath.

*Be sure not to press the layers too firmly together so that the colors don't mix.

