

Science 7

Monday April 29

→ Layers of the Earth
Test Review.

Test on Wednesday!!

Solution to the
Review

1. The four layers of the Earth's crust are:

Crust

Mantle

Outer Core

Inner Core

2.

Using an egg to represent layers, the shell would be the **crust**, the white would represent the **mantle** and the yolk the **core**.

3. The further you go down from the Earth's crust, the **hotter** it gets.

4. The **mantle** is the layer directly under the crust.

5. The **mantle** is composed of very hot dense rock. This layer of rock even flows like asphalt under heavy weight. This flow is due to great **temperature** differences between the bottom of the layer and top layer.

6. The outer core is composed of the melted metals **nickel** and **iron**.
7. Scientist believe the core is solid based on **earthquake** behaviour.

8. Early Maps

→ Continents that were now separate had once been one

→ Pieces fit like a jigsaw puzzle.

a.

i) Biological → fossils

ii) Geological → same type of rock.

iii) Meteorological → similar climate conditions.

10. The **crust** is the layer we live on.
11. The **crust** of the Earth is broken into many pieces called **plates**.
12. Plates move.
Pressure builds up and the rock bends and snaps.
• When this occurs an Earthquake occurs as a result.

13.

The inner core is made up of iron and nickel in the solid state.

14. The outer core is made up of iron and nickel in the liquid state.

15.

The **mantle** flows with the consistency of asphalt.

16 The Earth's **crust** is like the skin of an apple. It is very thin in comparison to the other three layers.

17. The **mantle** is the thickest layer.