



Layers of the Earth (AusEarthEd, base graphic via Canva license)

The crust is composed of

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The mantle is composed of

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The outer core is composed of

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The inner core is composed of

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## YOUR TASK

The position of the different layers of our Earth depends on the rock density (or does it?). Your teachers will give you three objects.

1. Using a triple beam balance or chemical balance, a graduated cylinder and a large beaker, estimate the density of each object.
2. Place all three objects in a beaker and see if there is a correlation between density and position.

Object 1

Mass \_\_\_\_\_g      Volume \_\_\_\_\_l      Density \_\_\_\_\_g/l

Object 2

Mass \_\_\_\_\_g      Volume \_\_\_\_\_l      Density \_\_\_\_\_g/l

Object 3

Mass \_\_\_\_\_g      Volume \_\_\_\_\_l      Density \_\_\_\_\_g/l

Is there a correlation between density and position? \_\_\_\_\_