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| **Session 3:**  | **Modeling the lithosphere** |

## Assessed criteria

Criterion B: Designing an Investigation

Criterion E: AIE

The 4 methods you need to write are quite short, so we will focus on how you research and present relevant information about the lithosphere.

If you think you can identify any variables for the experiments, you should write those down also.

**Research Question**

“Is it possible to model movements of the lithosphere in the lab?”

**Background Information**

We use experiments in the lab to “model” real life situations because they are quicker, easier, repeatable and cheaper than experimenting in the real-life situation. In the case of the lithosphere, it is also inaccessible and many changes occur over millions of years.

[Add background information about the lithosphere. Make sure you write down where you found the information. Do not copy and paste.]

**Objective**

Perform experiments in the lab which model how the lithosphere may move due to energy released from the Earth´s core; write a method and observations for each.

**Materials**

[What equipment did you use?]

**Method**

**Experiment 1.**

**Experiment 2.**

**Experiment 3.**

**Experiment 4.**

**Results**

 [Write your observations here]

**Experiment 1.**

**Experiment 2.**

**Experiment 3.**

**Experiment 4.**

**References**

*[Add your references from the background information here]*