

ENGINEERING DESIGN PROCESS

Lava Lamp

1. Title of Experiment

2. Hypothesis (Does the size of the Alka-Seltzer pieces affect the number of blobs created?)

3. Draw a Picture of your Design (Draw a sketch of what you think your lava lamp will look like once you add all of the ingredients. Draw what you think will happen!)

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4. Data Collection/Observations (Draw a picture of your lava lamp with the ingredients.)



5. Results (Draw pictures of the sizes of your Alka-Seltzer pieces and record the number of blobs.)



6. Analysis/Answer Questions

Did the size of the Alka-Seltzer tablet affect the number of blobs? How?

Did you notice a change in the size of the blobs when you added bigger pieces of Alka-Seltzer?

When the oil was added on top of the water, they didn't mix. Which is more dense: the oil that stayed on top or the water that was on the bottom?