

Name _____

How does a Lava Lamp work?

Describe what you see taking place inside the lava lamp.



Explain why the two substances in the graduated cylinder look like they do.

Use the formula $D = M \div V$ to calculate the density of each object below.

Mass = 12 g

Mass = 12 g

Mass = 20 g

Mass = 20 g

Volume = 3 mL

Volume = 4 mL

Volume = 4 mL

Volume = 5 mL

Density =

Density =

Density =

Density =

If the mass of an object stays the same, but the volume increases, how does this affect the density?

Explain how increasing the temperature of an object affects the particles in the matter and the volume of the object.

If the temperature increases, how does this affect the density of an object?

Use the back of the paper to explain how the lava lamp works.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.