**Fluids and Density**

**Density**:

Solid Liquid Gas

Total Mass: Total Mass: Total Mass:

Mass Inside Mass Inside Mass Inside

the Volume: the Volume: the Volume:

Density: Density: Density:

**Density Relation**:

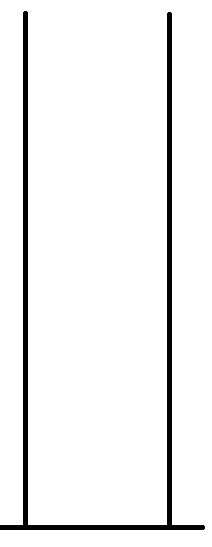
When an object heats up 🡪

When an object cools down 🡪

**Layering Fluids**

Denser fluids will \_\_\_\_\_\_\_\_\_\_\_\_\_, less dense fluids will \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Dense objects \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, less dense objects \_\_\_\_\_\_\_\_\_\_\_\_\_.



**How to Measure Density**

Formula:

To find the density you would:



To find the volume of weird shaped objects, you could:

What is the density of a 300 g object that takes up 30 cm3 of space?

An object has a density of 24 kg/L. What is the mass of 3.4 L of it?

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