

Name: _____

Class: _____ Date: _____



BrainPOP ACTIVITY: MEASURING MATTER

- How can you use water displacement to find the volume of an irregularly shaped object?

- Calculate the density of these objects using the formula $D = M / V$.

Object	Mass	Volume	Density
Corn syrup	69 g	50 cm ³	
Wood	7 g	100 cm ³	
Mercury	408 g	30 cm ³	
Plastic	46.5 g	50 cm ³	

- If the density of water is 1.0 g/cm³, which of the objects in the chart above would float in water and why?

- Think about it...

How is density different from volume?

