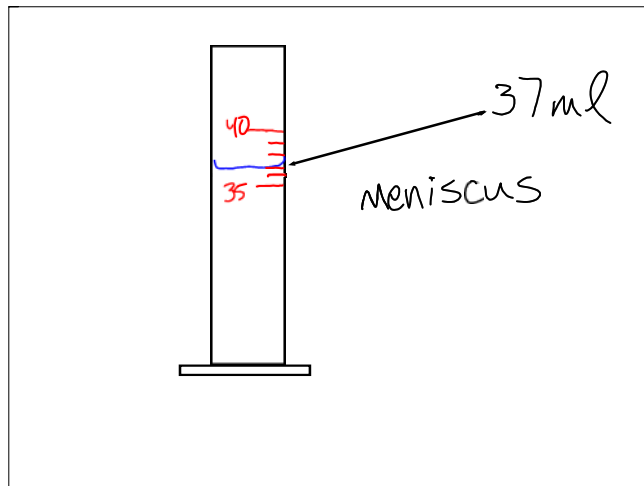


Nov 16

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shiny = \_\_\_\_\_ g  
 dark = \_\_\_\_\_ g



Measuring Volume by displacement

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If the cylinder has 50 ml of water and you add an object and the water goes to 70 ml, then the object has a volume of 20 ml, right?

Nope

liquid      solid

1 ml = 1 cm<sup>3</sup>

solids are measured in cm<sup>3</sup>

20 ml = 20 cm<sup>3</sup>

Density =  $\frac{\text{shiny}}{\text{cm}^3} = \frac{\text{g}}{\text{cm}^3}$

Density =  $\frac{\text{Dark}}{\text{cm}^3} = \frac{\text{g}}{\text{cm}^3}$

$\frac{114.4 \text{ g}}{39 - 29} = \frac{114.4 \text{ g}}{10 \text{ cm}^3} = 11.44 \frac{\text{g}}{\text{cm}^3}$

Material	Density (g/cm <sup>3</sup> )	Material	Density (g/cm <sup>3</sup> )
Aluminum	2.64	Iron (cast)	7.21
Brass	8.55	Iron (wrought)	7.77
Brick (red, common)	1.92	Lead	11.34
Coal (anthracite)	1.51	Marble	2.56
Concrete	2.37	Paraffin (wax)	0.72
Copper (cast)	8.68	Quartz	2.64
Copper (rolled)	8.91	Rubber	1.52
Cork	0.24	Steel (cast)	7.85
Feldspar	2.56	Steel (rolled)	7.93
Glass (window)	2.58	Wood (dry) - red cedar	0.38
Gneiss	2.87	Wood (dry) - Douglas fir	0.53
Granite	2.69	Wood (dry) - hickory	0.85
Gold (pure, 24 kt)	19.29	Wood (dry) - maple	0.70
Ice	0.92	Wood (dry) - red oak	0.70
Ivory	1.84	Wood (dry) - yellow pine	0.70