DENSITY

Density of Various Solids	
Solid	**Grams per cm^3**
balsa	0.11–0.14
bone	1.7–2.0
cement, set	2.7–3.0
cork	0.22–0.26
diamond	3.01–3.52
glass, common	2.4–2.8
granite	2.64–2.76
ice	0.917
sugar	1.59
wax, sealing	1.8

Density of Various Liquids	
Liquid	**Grams per cm^3**
acetone (at 20° C)	0.792
ethyl alcohol (at 20° C)	0.791
gasoline	0.66–0.69
glycerin (at 0° C)	1.260
kerosene	0.82
mercury	13.6
olive oil (at 15° C)	0.918
seawater (at 15° C)	1.025
turpentine (spirits)	0.87
water (at 4° C)	1.00

Which solid is the most dense?

Which solid is the least dense?

Which liquid is the most dense?

Which liquid is the least dense?

Are all solids more dense than all liquids?

Look at the density of water. Now look at the density of some of the solids. What happens when you put cement in water? What happens when you put cork in water? Why?