	density (kg/m^3)		**density (kg/m^3)**
Interstellar space		iron	
hydrogen		lead	
helium		mercury	
air		uranium	
wood (average)		gold	
lithium			
water		Sun's core	
plastics		neutron star	
aluminium		black hole	

Homework

2) Calculate the mass of a block of wood of volume 0.050 m^3 and density 600 kg/m^3.

3) Calculate the mass of a block of wood of volume 0.050 m^3 and density 600 kg/m^3.

4) When a small stone is immersed into the water inside a measuring cylinder the level increases from 20.0 to 27.5 ml. Calculate the density of the stone in g/cm^3 if its mass is 60g.

5) Calculate the density in g/cm^3 and kg/m^3 of a metal cylinder of radius 2cm, height 3cm and mass 400g.

6) Calculate the mass of a teaspoon full (1 cm^3) of a neutron star. Density of a neutron star = 1.0 x 10^{17} kg/m^3.

7) Calculate the weight of a gold ingot of dimensions (20 x 10 x 4) cm. The density of gold is 19 300 kg/m^3.