

## Density investigation

1. Have a guess what each material is, and put this in the first column (material).
2. Fill in mass, length, width and height for each material
3. Work out the Volume by multiplying the length, width and height on a calculator
4. Finally, fill in the final column (you will have to ask to do this!)

Material	mass/ g	length/ cm	width/ cm	height/ cm	Volume/ cm <sup>3</sup>	Density/ g/cm <sup>3</sup>
A: Aluminium	160.7	5.0	3.9	2.9	57	2.8
B: Brass	168.1	5.0	1.9	2.0	19	8.9
C: Wax	56.4	5.0	4.0	3.1	62	0.91
D: Polystyrene	0.3	4.8	2.0	1.8	17	0.02
E: Wood	29.6	5.0	3.9	2.9	57	0.52
F: Iron	466.3	5.0	3.9	3.0	59	8.0