Density: Practical Builder

1 Match the keyword to the correct definition. **[3 marks]**

Keyword	Definition
Measuring Cylinder	Used to measure the mass of the irregular shape.
Top-Pan Balance	Used to measure the volume of liquid displaced.
Displacement	When water is moved from one place to another

2 Choose the correct sequence to complete todays practical **[4 marks]**

Calculate the volume using the equation Density = Mass / Volume	1	2	3	4
Record the mass of the irregular shape.	1	2	3	4
Record the volume of water displaced.	1	2	3	4
Place the irregular shape into the displacement can.	1	2	3	4

3 Choose the correct words to **complete** the following sentences. **[4 marks]**

1. Control	2. Hazard	3. immediately	4. spout

The main _____ for this experiment is ensuring the water is level with the water _____. The main _____ for this experiment is water spillage. To reduce any risks make sure that any spilt water is mopped up _____.

Density: Equation builder

Questions	
4	Write the equations which links the following keywords **Density**, **Mass** and **Volume**.

WORDS		=		÷	
UNITS	**Kg/m3**		**kg**		**m^3**

5	Complete the sentences below:

The **unit** for **Density** is	
The **unit** for **Mass** is	
The **unit** for **Volume** is	

Density: Calculation builder

Improve the students working out below.

A student measure the mass of an irregular shape at 40g. The volume of water displaced is 10ml.	
C	Mass = Volume =
E	Density = Mass ÷
M	Density = 40 ÷
U	**g / cm^3**

Stretch and challenge	**Suggest** how you would convert g / cm^3 to kg / m^3