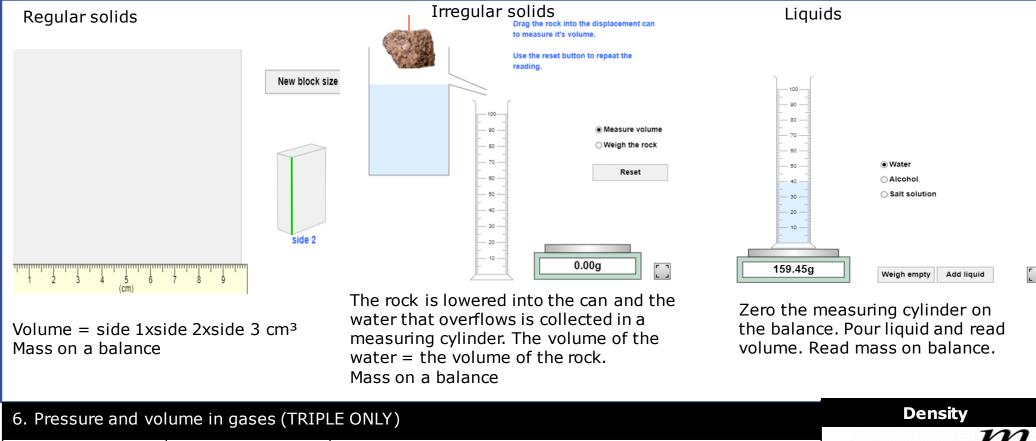


Physics Topic P6: Molecules and Matter.

pV=constant

Required practical - density

Formula



6. Pressure and volume in gases (TRIPLE ONLY)				Density		
change	effect	reason	ρ	= -	<u>m</u>	
Increase pressure	Increase volume	More particles so more collisions. More force exerted on the container.	Den	sity = <u>mas</u> volur		
Decrease pressure	Decrease volume	Less particles so less collision. Less force exerted on wall of container	Symbol p		Unit kg/m ³	

IF fixed mass and constant temperature

kg

mass

volume

m

V