

## P4.1 Knowledge Quiz: Matter

Put the states of matter in order of increasing internal energy.	
Put the states of matter in order of increasing density.	
Define density.	
State the equation that links density, mass and volume.	
Describe how to calculate the density of a regularly shaped solid.	
Describe how to calculate the density of a liquid or an irregularly shaped solid.	
Define a fluid.	
Explain what is meant by gas pressure.	
Describe the relationship between temperature and pressure of a gas.	

### Physics Only

Describe the relationship between pressure and volume of a gas.	
State the equation that links pressure, force and area.	
Explain why liquids are used in hydraulic systems.	
Describe the relationship between depth in a fluid and pressure.	
State the equation used to calculate pressure in a fluid column.	
Describe the relationship between altitude and pressure.	

