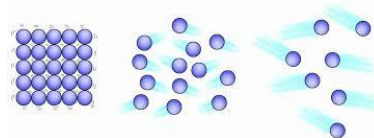


Unit Overview – Particle Model and Energy



You will learn about:

- Different types of energy
- Energy changing forms
- Energy efficiency
- Properties of matter and changes of state.
- Internal energy of matter.
- Latent heat of materials.

You will be able to:

Calculate the density of matter in regular and irregular shapes.

Key learning points		Key Words
Different types of energy		
Energy changes and energy efficiency		
Changes of state		
Latent heat		
Particle motion in gases		
Density of materials		
RP Density		
Factors which affect rate of reaction		
Links to other subjects:		Kinetic energy Potential energy Thermal energy Sound energy Light energy Efficiency Condense Evaporate Freeze Melt Sublimate Internal energy Latent heat Density Gas Liquid Solid Boil Changes of state
SMSC		
The influence of ancient Greece on the scientific method.		
Numeracy		
Rearranging equation. Substituting numerical values into equations using appropriate units. Interpretation of graphs.		
Literacy		
Describe observations in practical work, explain particle model and energy changes linked to real life examples		