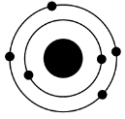




Gunnersbury Catholic School

Year 9 Science



Molecules and matter

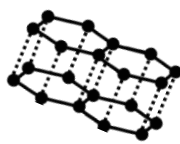
- Density
- States of matter
- Changes of state
- Internal energy
- Specific latent heat
- Gas pressure and temperature



Assessment

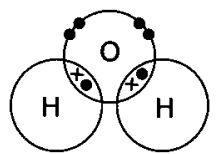
Energy Transfer by heating

- Conduction
- Specific Heat capacity
- Heating and insulating buildings



Structure and Bonding

- Covalent bonding
- Metal bonding
- Ionic bonding
- Properties of compounds
- Metals and alloys



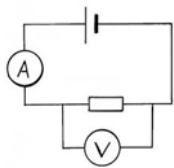
Energy resources

- Energy demands
- Energy from wind and water
- Power from the Sun and the Earth
- Energy and the environment
- Big energy issues



Organisation and the Digestive system

- Tissues and Organs
- Digestive System
- The Chemistry of Food
- Digestion and Enzymes



Conservation and dissipation of energy

- Changes in energy stores
- Conservation of energy
- Energy at work
- Gravitational potential energy
- Kinetic and elastic potential energy
- Energy dissipation
- Efficiency
- Electrical Appliances
- Power



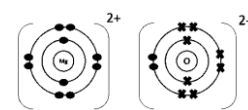
Periodic Table

- History of the periodic table
 - Group 1
 - Group 7
- Transition metals
- Noble gases



Transport

- Diffusion
- Osmosis
- Active Transport
- Exchanging Materials



YEAR

9

Cell Structure

- The Microscope
- Animal and Plant Cells
- Eukaryotic and Prokaryotic Cells
- Cell Specialisation

Atomic Structure

- Elements, compounds and mixtures
 - Separation techniques
 - Atoms
- Atomic number and mass number
 - isotopes

welcome

