

Ionisation energy

Pre-lesson assignment p.96-98

Define the following terms:

- First Ionisation Energy
- Second Ionisation energy

Make notes on ionisation energy:

Use the following questions as guidance:

1. Write an equation for the first ionisation energy of sodium, and give three factors that will affect the attraction between nucleus and outer electron.
2. Write an equation for the first and second ionisation energy of helium, and explain why the magnitude of the second is greater than the first.
3. What evidence is there, from successive ionisation energies, for the existence of energy levels, or electron shells?