

Physics PH1
AQA GCSE Science

Class: _____

Name: _____

Target Grade: _____

P1.1.1 Infrared, absorption and emission

P1.1.2 Kinetic theory

P1.1.3 Energy transfer by heating

P1.1.3 Factors affecting transfer by heating

P1.1.4 U values

P1.1.4 solar thermal heating

P1.1.4 Calculating specific heat capacity

Compare initiatives to reduce consumption

Describe transfers in appliances

Interpret and draw Sankey diagrams

P1.2.1 Useful and waste energy

P1.2.1 Calculating efficiency

Use data to compare appliances

P1.3.1 Calculate energy transfer ($E=Pxt$)

P1.3.1 Calculate cost of mains electricity

P1.4.1 The use/creation of steam for turbines

P1.4.1 Other ways of generating

P1.4.1 Different effects of energy resources

P1.4.2 The parts of the National Grid

P1.4.2 The use of transformers

P1.5.1 Properties of longitudinal/transverse

P1.5.1 Properties of em waves, em spectrum

P1.5.1 Reflection, refraction, diffraction

P1.5.1 Use of the wave equation

P1.5.1 Uses of em waves in communication

P1.5.2 Constructing ray diagrams

P1.5.3 Properties of sound waves

P1.5.4 The Doppler effect and red-shift

P1.5.4 the Big Bang and CMBR

