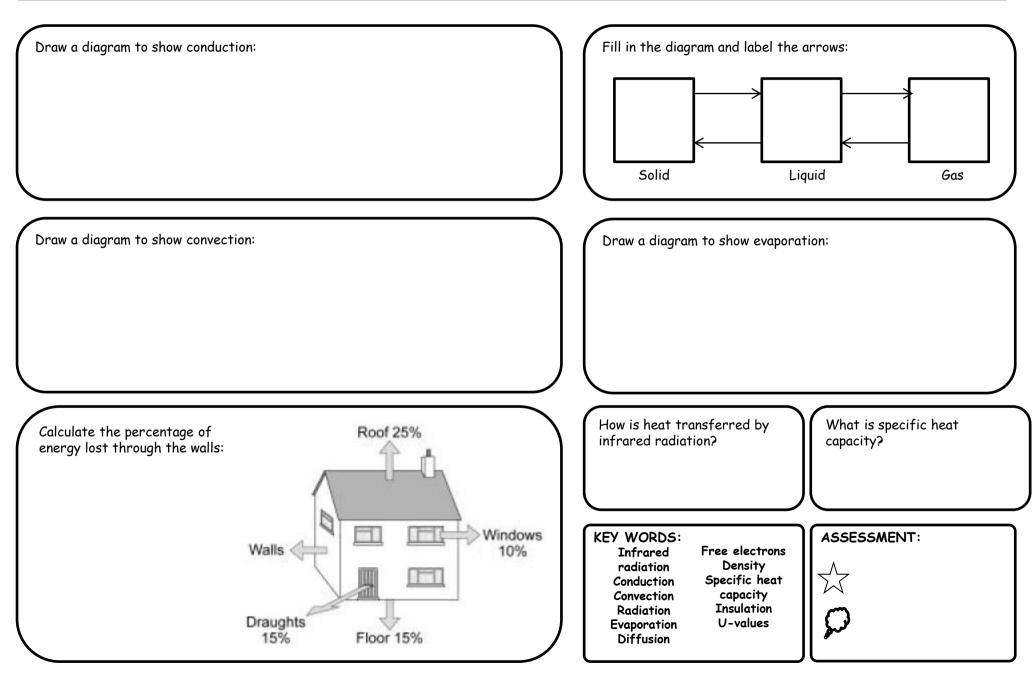
P1 REVISION - CHAPTER 1 - ENERGY TRANSFER BY HEATING



P1 REVISION - CHAPTER 2 - USING ENERGY

Write a definition for these different types of energy:	What is conservation of energy?	Calculate the amount of energy wasted as heat:
Magnetic:		Heat
Kinetic		
Thermal:		Light 119J
Light:	What is useful energy?	
Gravitational potential		Electricity 1J
Chemical:		Calculate the efficiency of the television:
Sound:		
Electrical:	What is wasted energy?	
Elastic potential		
Nuclear:		KEY WORDS: ASSESSMENT:
Here is a sentence to help you remember them:		Chemical energy Conservation of Kinetic energy energy Gravitational Useful energy potential energy Wasted energy
Most Kids Hate Learning GCSE Energy Names		Elastic potential Newtons (N) energy Joules (J) Electrical energy Sankey diagram Efficiency

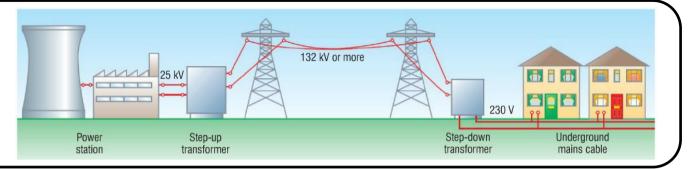
P1 REVISION - CHAPTER 3 - ELECTRICAL ENERGY

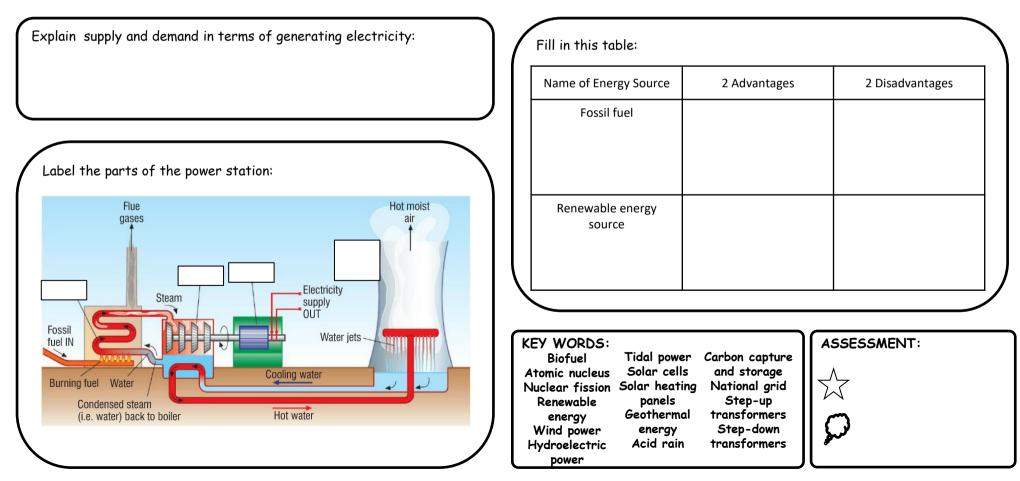
AQA electricity	Customer reference: 263472 Date sent out: 18 Sep	24983 tember 2007
Your electricity bill		
Present reading: 62740 (e) t Previous reading: 62580 t	aken on 13 September aken on 12 June	
Used: 160 kWh		
Cost per kWh = 12p (e) = estimated Cost of electricity used =	I reading	~~
f you needed to use a hea	ter for 5 hours, which a	of these would be the
f you needed to use a hea ost effective?	ter for 5 hours, which a	of these would be the
	ter for 5 hours, which o	of these would be the
ost effective?		1800W ceramic heater
400W oil-filled panel heater (wall mounted)	JkW fan heater	1800W ceramic heater • 2 heat settings
400W oil-filled panel heater (wall mounted) • 3 heat settings	SkW fan heater • 2 heat settings	IsooW ceramic heater • 2 heat settings • 8 hour timer
400W oil-filled panel heater (wall mounted)	JkW fan heater	1800W ceramic heater • 2 heat settings

Appliances	Useful Energy	Wasted energy
Light bulb		
Electric heather		
Electric toaster		
Electrical kettle		
Hair dryer		
Electric motor		
DVD drive		
KEY WORDS:	ASSE	SSMENT:
Watt (W) Kilowatt (kW) Kilowatt-hour (kW Electricity mete		

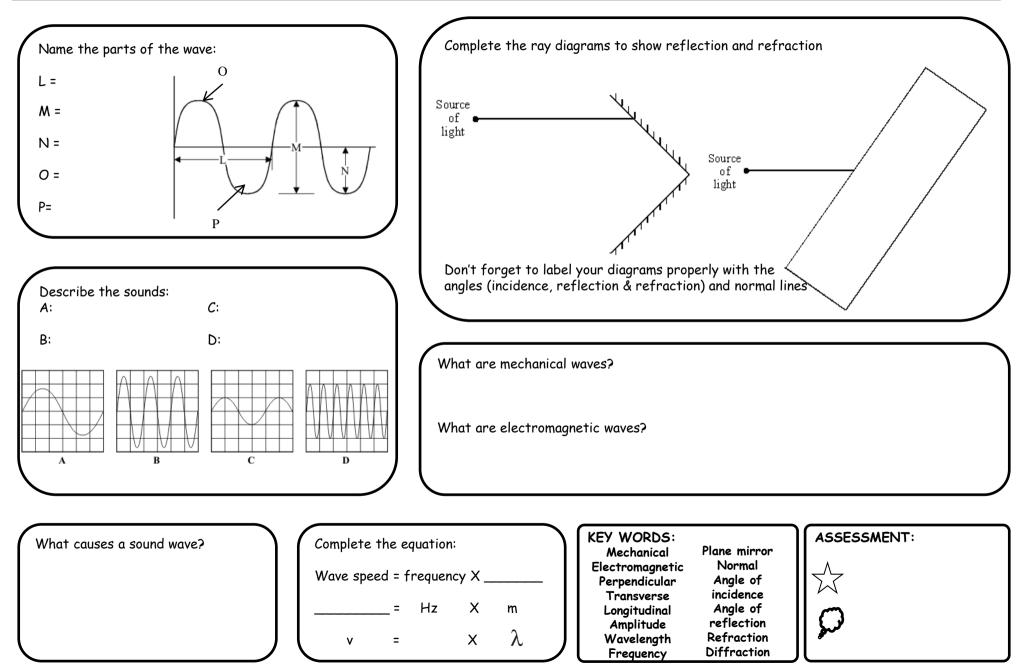
P1 REVISION - CHAPTER 4 - GENERATING ELECTRICITY

Why do we need to step- up and step-down the voltage?





P1 REVISION - CHAPTER 5 - WAVES



P1 REVISION - CHAPTER 6 - ELECTROMAGNETIC WAVES

Fill in the gaps in the electromagnetic sp	ectrum:	
Radio ->		Ultra violet
What is the wavelength of light?	What is the Doppler effect?	How do communicate using waves: Why are mobiles phones considered dangerous?
What do we use visible light for?	What do we use microwaves for?	How do optical fibres work? (Draw a diagram)
		What is the Big Bang Theory?
What do we use infrared for?	What do we use radio waves for?	
		KEY WORDS: Radio White light Microwave Optical fibres Infrared Doppler effect Visible light Big bang theory Ultraviolet Cosmic X-ray microwave Gamma background radiation Image: Construct of the second