


	Miss Robins Science HOMEWORK DESCRIPTION						
Set week beginning	Year 7 7F1	Year 8 8F3	Year 8 8M	Year 9 9F3	Year 10 10M	Year 11 11U1	Due date Week beginning
20 th April	Produce a fact page to explain how energy may be used in the future	Complete KS3 Bite size end of topic chemical reactions quiz	Complete KS3 Bite size end of topic chemical reactions quiz	Draw a comparison table to compare the light and electron microscope	Explain properties of group 1 metals and compare with those in group 2	Devise a comparison table to compare biotic and abiotic factors	27 th April
27 th April	Draw a plate of food that contains appropriate amounts of energy for a 16 year old	Explain the importance of chemical reactions within the body and give an example	Draw five diagrams and label with key words to explain what occurs during a chemical reaction	Explain how you would carry out an osmosis experiment using a potato.	State the meaning of the term dependent and independent variable. Give an example of each	6 Mark exam question: Describe how ideas of classification have developed over time	4 th May
4 th May	Produce a table of advantages and disadvantages of different energy resources	Explain why chemical reactions are useful in medicine. Produce a fact page that could be displayed in a Doctor's surgery	Define (state the meaning of) and give an example of combustion	Draw a comparison table to compare diffusion and osmosis. Use fully labelled diagrams to aid in your answer	Draw a particle diagram to explain the effect of temperature on reaction rate	Devise a table to compare the three domains	11 th May

11th May	Explain how electricity is generated from coal	Explain (using fully labelled diagrams) the difference between a dilute and a concentrated acid	Explain how acids and alkalis can be used safely	Name five specialised cells and state how each is adapted in order to carry out its function	Define the term catalyst and give an example of when a catalyst may be used in everyday life	Compare observations that can be made to compare living organisms and explain how modern technology has affected the way in which organisms are classified	18th May
18th May	Compare and contrast renewable and non-renewable energy resources	Have you ever had a stomach ache? Have you ever taken an indigestion tablet? Explain how they work	Name three strong acids and two weak acids. State where each of your named acids are found	Describe how active transport differs from diffusion and osmosis You could produce a comparison table to aid in your revision	Write a paragraph to explain how a catalyst works	Explain how classification has helped us build models of evolutionary relationships	25th may
25th May	Suggest a measure that the government could take to reduce a country's energy use	Explain an example of when neutralisation may be useful. Link with less economically developed countries	State the products formed when an acid reacts with an alkali	<div> b Describe the adaptations you would expect to see in effective exchange surfaces and explain the importance of each adaptation.  [6 marks] </div> 6 mark exam question	Give an example of an exothermic and an endothermic reaction	Explain the importance of the binomial system for scientists around the world (6 Mark exam question)	1st June