What are the functions of the following cellular organelles?	What is the equation to calculate magnification?		Draw and label a plant and animal cell:
Cell membrane—			
Nucleus—	Calculate the magnification of a cell that appears to be 20mm in length down the microscope, but is actually 200µm in length.		
Cytoplasm—	in lengin down me microscope	, but is actually 200µm in length.	
Mitochondria—			
Chloroplasts—			
Cell wall—	GCSE Biology		
/acuole—			
Ribosomes—	How are light and electron microscopes different?		
Describe the adaptations of the villi in the small intestine.	Label the adaptations of the root hair cell. Label the adaptations of the sperm cell.		Calculate the actual size of a root hair cell, that appears to be 0.68mm under x40 magnification. µm What is diffusion?
Draw and label a bacterial cell			Example:
			What is active transport?
	How are prokaryotes different to eukaryotes?		
			Example:

What is the equation to calculate density?		What are renewable energy sources?	Name two advantages and disadvantages of wind turbines:
		Examples:	Advantages—
How would you find the	density of a cube?	What are finite energy sources?	Disadvantages—
		Examples:	
How would you find the density of a statue?		GCSE Physics/Chemistry	Name two advantages and disadvantages of solar panels. Advantages—
		What makes up the National Grid?	Disadvantages—
		What is an ore?	_
			Name two advantages and disadvantages of fossil fuels. Advantages—
Write out the reactivity	Complete the follow	ving equations:	7
series:	Iron + copper sulphate —>		Disadvantages—
Potassium + zinc carbonate —>			
Lead + magnesium			╡ ┃
	What reaction takes	place in a blast furnace?	Name two advantages and disadvantages of Nuclear power
		Explain what is happening in this reaction:	Advantages—
		Magnesium + iron oxide —> magnesium oxide + iron	
			Disadvantages—