Energy use and management in the home Activity Sheet



1) How electrical e							
a) List the major ap	pliances in y	our home (fridg	ge,TV) i	ndicating how many	of each you have.		
			I				
b) Leaving appliant	ces on stand	by is called vam	npire po	wer.			
 b) Leaving appliances on standby is called vampire power. List all the appliances in your home that are left in standby mode. 							
How can you reduce	ed vampire p	oower?					
c) Record the use of lights in your home in the table below. Date of recording:							
			411				
		Numbe	r of ligi	nts			
ON		at do not need to be on		OFF	TOTAL		
Percentage of lights		lights on that do not need to be on			× 100 =		
wasting energy	=	Total number of lights					



Energy use and management in the home Activity Sheet



Would it make a difference to your power bill if you and other members of your family turned off light when they were not required? Explain.					
2) Ho	w electrical energy use can be better managed in my home.				
	Write a list of energy saving tips: Visit the Synergy Save Energy Tips webpage https://www.synergy.net.au/Your-home/Energy-tips , read the family tips and watch the available videos.				

Energy use and management in the home **Activity Sheet**



How to read the Synergy electricity bill

You will need a copy of your Synergy household energy bill. Your parents either receive the bill in the post or can access it through their account online.

- 1) View the video https://www.synergy.net.au/Your-home/Help-and-advice/Bills/ Understandingmybill. You will need information from this video to help answer the following questions.
- 2) Using the graph of energy usage on your bill to answer the following questions.
- a) Redraw the energy usage graph in the space below. b) We used (more / less / the same amount) of energy this bill compared to the last bill? c) Explain any differences in energy usage from this bill and your last bill.
 - d) We used (more / less / the same amount) of energy this bill compared to the same time last year.



Energy use and management in the home Activity Sheet



4) Compare your electricity bill with other households! How much was your last bill? \$ Use this amount to compare your energy bill (and usage) with other similar Perth households using the calculator https://www.synergy.net.au/Your-home/Energy-tips/Compare-your-bill-		e)	Explain any differences in energy usage from this bill to the same time last year.						
3) Solar Electricity a) Do you have solar PV panels? b) Do you have a battery to store unused solar energy? c) If you have solar panels, then you are a renewable energy customer. Turn to the back of your electricity bill. It will show a usage summary showing the number of units you exported back into the grid system in kilowatt hours (kWh). How many units (kWh) did you export? Net Export Peak Net Export Off Peak 4) Compare your electricity bill with other households! How much was your last bill? \$ Use this amount to compare your energy bill (and usage) with other similar Perth households using the calculator https://www.synergy.net.au/Your-home/Energy-tips/Compare-your-bill		f)	What is your average daily usage?						
a) Do you have solar PV panels? b) Do you have a battery to store unused solar energy? c) If you have solar panels, then you are a renewable energy customer. Turn to the back of your electricity bill. It will show a usage summary showing the number of units you exported back into the grid system in kilowatt hours (kWh). How many units (kWh) did you export? Net Export Peak Net Export Off Peak 4) Compare your electricity bill with other households! How much was your last bill? \$ Use this amount to compare your energy bill (and usage) with other similar Perth households using the calculator https://www.synergy.net.au/Your-home/Energy-tips/Compare-your-bill		g)	What is your average daily cost?						
b) Do you have a battery to store unused solar energy? c) If you have solar panels, then you are a renewable energy customer. Turn to the back of your electricity bill. It will show a usage summary showing the number of units you exported back into the grid system in kilowatt hours (kWh). How many units (kWh) did you export? Net Export Peak Net Export Off Peak 4) Compare your electricity bill with other households! How much was your last bill? \$ Use this amount to compare your energy bill (and usage) with other similar Perth households using the calculator https://www.synergy.net.au/Your-home/Energy-tips/Compare-your-bill.	3)	Sc	plar Electricity						
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How did you forc? Pagard your regults of the comparison in the space below		Us	•						
How did you rare: Record your results of the comparison in the space below.		Но	ow did you fare? Record your results of the comparison in the space below.						

