
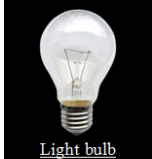



Lighting Shane's bedroom

This task is about different sources of light.

Shane can get his bedroom to the same brightness by using the lights shown in the table.

Type of light	Number needed to get the same brightness in the room	Total energy used every second (joules)	How long does it last before you have to buy a new one?
 Candle  Light bulb  Low energy bulb	120 candles	4800 J	2 hours
	1 light bulb	100 J	9 months
	1 low energy bulb	18 J	2 years

a) Which type of light would be best if there was an **electrical power cut**?

☐ candle

☐ light bulb

☐ low energy bulb

Why did you choose that one?

b) Which is best for **saving energy**?


☐ candle

☐ light bulb

☐ low energy bulb

Why did you choose that one?

c) Fill in the table below, describing one good thing (advantage) and one bad thing (disadvantage) about each type of light.

Type of light	Advantage	Disadvantage
 Candle		
 Light bulb		
 Low energy bulb		

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