## Lighting

Shane and Elena are choosing how to light a room. They can get the room to the same brightness by using the lights shown in the table.

Type of light	Number needed to get the same brightness	Total energy used every second (joules)	How long does it last?
<u>Candle</u>	120 candles	4800 J	2 hours
Low energy bulb	1 low energy bulb	18 J	2 years
Filament bulb	1 filament bulb	100 J	9 months

Images source: Wikipedia

	Which type of lighting would be good if there was an electrical power cut?				
a) i)					
	Explain your choice.				
ii)					

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

Type of light	Advantage	Disadvantage
i) Candle		
ii) Low energy bulb		
iii) Filament bulb		

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