

Name _____ Class _____ Date _____

1 The labels for a fan heater and an electric fire are shown on the right.

Fan heater - Model 35412
230 Volts 50-60 Hz
3000 Watts

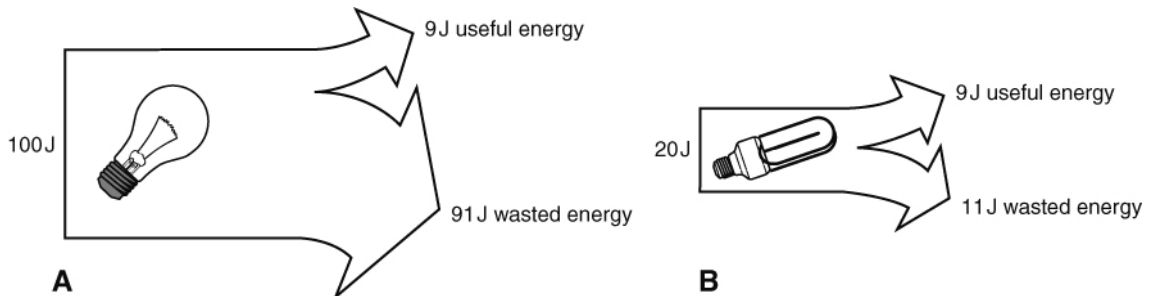
- a Draw a circle around the parts that show you how much energy each appliance transfers each second.
- b Which appliance transfers the most energy each second? _____
- c How did you work out your answer to part b?

Electric fire - one bar
50-60 Hz 230 Volts 1000 Watts

2 Draw lines to match each piece of equipment with the energy it transfers each second.

Equipment	Energy transferred per second
electric shower	20 J
efficient light bulb	3000 J
electric kettle	10 000 J

These diagrams show how much useful and wasted energy two different light bulbs transfer.



- 3 a Which light bulb transfers the most energy? _____
- b Which one wastes the most energy? _____
- c Which one is the most efficient? _____

4 a How is the useful energy transferred from the light bulbs? Tick (✓) the correct box.

heating sound light

b How is the wasted energy transferred? Tick (✓) the correct box.

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I can...

- recall which kinds of appliance use the most energy
- recall the units for power
- describe how energy is wasted by light bulbs.