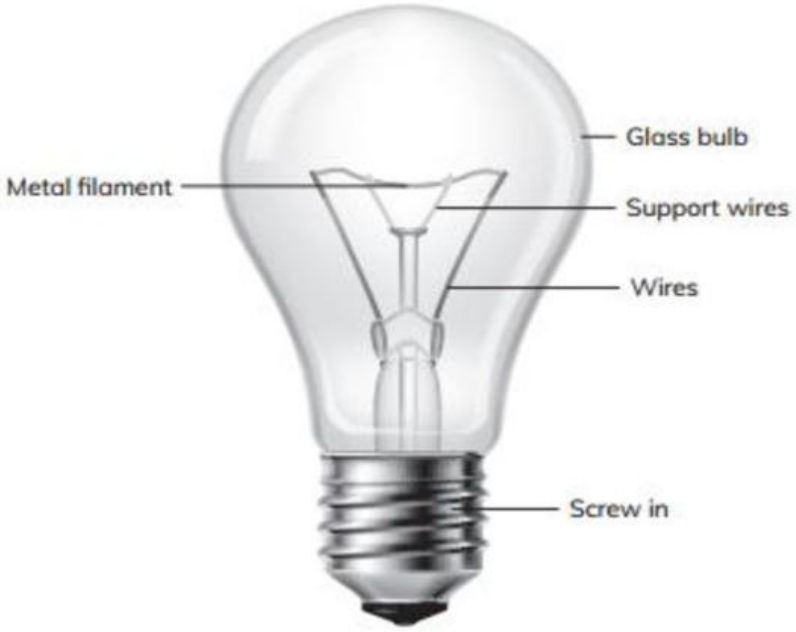
2.2 Thermal and electrical conductors

Focus

1 Look at the picture of a lamp.



a i Which parts of the lamp are electrical conductors?

_____

_____

ii Which part of the lamp is not an electrical conductor?

_____

b Why are electrical plugs made of plastic?

_____

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c i Why could your hand got burnt if you stirred hot soup with a metal spoon?

ii Why is a wooden spoon good for stirring soup cooking in a pot?

Practice

2 The table shows how well some common metals conduct heat. A high value means that the metal conducts heat very well.

Metal	Measure of how well the metal conducts heat
silver	420
brass	109
copper	400
iron	80
stainless steel	15
aluminium	250

a i List the metals in order from best conductor of heat to worst conductor of heat.

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