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A loudspeaker produces a sound wave at a frequency of 850 Hz.
 The wavelength of the sound wave is 0.4 m. Calculate the speed of the sound wave.

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Wave speed = ...

State the primary colours of light. 	State the formula to calculate work done.
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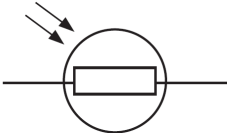
Identify the following electrical components from their diagrams.



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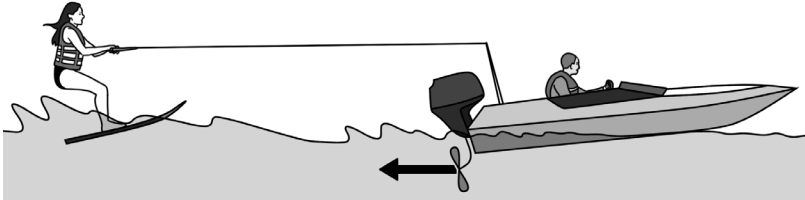


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The diagram shows a boat pulling a water skier.



- i. The arrow represents the force on the water produced by the engine propeller.
 This force causes the boat to move. Explain why.

- ii. The boat accelerates at a constant rate in a straight line. This causes the velocity of the water skier to increase from 4.0 m/s to 16.0 m/s in 8.0 seconds.
 Calculate the acceleration of the water skier and give the unit.

