









Basic Electrical Knowledge

If you don't know the answer, you will have to do a little research

ID	Questions	Question Image
1 	What is measured in Amps (Amperes)? _____ A. Current B. Electromotive Force C. Resistance D. Power	
2 	Voltage is a measure of what? _____ A. Current B. Electromotive Force C. Resistance D. Power	
3 	What is Resistance in a circuit? _____ A. The opposition to current flow B. A measure of current flow C. A measure of electromotive force D. The voltage of a circuit	
4 	Power (Watts) is a measure of what? _____ A. The rate of change of energy from one form to another B. The voltage of a circuit C. Current flow D. The resistance of a circuit	

<p>5</p> 	<p>What does AC stand for in electrical systems? _____</p> <p>A. Alternating Current</p> <p>B. Alternative Current</p> <p>C. Any Circuit</p> <p>D. Actual Circuit</p>	
<p>6</p> 	<p>What is the cartridge fuse in a plug specifically designed to protect? _____</p> <p>A. The power cord</p> <p>B. The appliance</p> <p>C. The user</p> <p>D. The building</p>	
<p>7</p> 	<p>What is the current standard colour of the live wire in a plug? _____</p> <p>A. Brown</p> <p>B. Blue</p> <p>C. It varies</p> <p>D. Green & Yellow</p>	
<p>8</p> 	<p>What is the current standard colour of the neutral wire in a plug? _____</p> <p>A. Blue</p> <p>B. Brown</p> <p>C. Green & Yellow</p> <p>D. It varies</p>	

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What is the current standard colour of the earth wire in a plug? _____



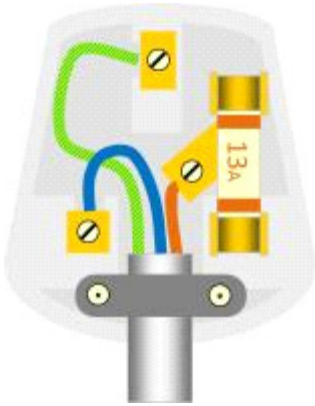
- A. Green & Yellow
- B. Brown
- C. Blue
- D. It varies

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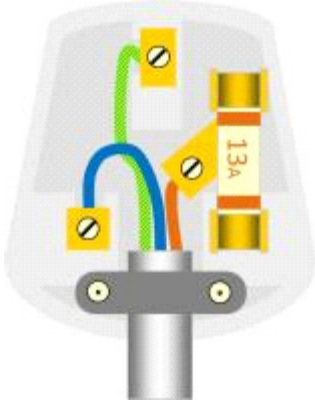
Which one of the following plugs is correct? _____



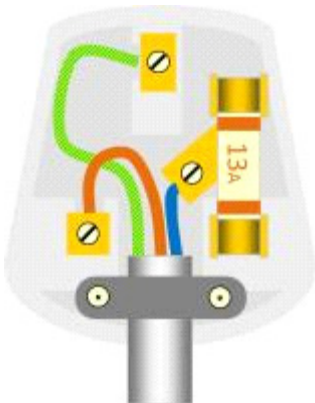
A.



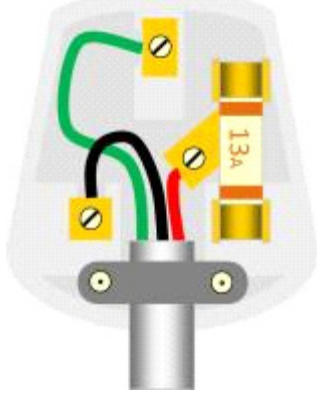
B.



C.



D.



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What happens if the terminal screws inside the plug become loose? _____

- A. Nothing
- B. The plug overheats
- C. The socket overheats
- D. The fuse blows

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What is the nominal voltage available from a standard 3-pin socket outlet e.g. a wall socket? _____

- A. 230V
- B. 240V
- C. 220V
- D. 250V






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When using an extension reel, how much cord should you pull off the reel before using it? _____

- A. All of it
- B. As much as you need
- C. As little as possible
- D. It doesn't matter



<p>14</p> 	<p>How many 3000W kettles can you run off a standard 13Amp 4-way extension lead, at the same time? _____</p> <p>A. 1</p> <p>B. 2</p> <p>C. 3</p> <p>D. 4</p>	
<p>15</p> 	<p>For standardisation, a lamp fitted with a 12W energy saving bulb should carry which size fuse in the plug? _____</p> <p>A. 3A</p> <p>B. 5A</p> <p>C. 10A</p> <p>D. 13A</p>	
<p>16</p> 	<p>For standardisation, which fuse should be used for a 2200W kettle? _____</p> <p>A. 3</p> <p>B. 5</p> <p>C. 10</p> <p>D. 13</p>	
<p>17</p> 	<p>When an appliance isn't in use you should do what? _____</p> <p>A. Nothing</p> <p>B. Switch it off at the socket and unplug it</p> <p>C. Leave the appliance switched on</p> <p>D. Switch it off at the socket</p>	

<p>18</p> 	<p>What should you do prior to plugging a new appliance into the socket? _____</p> <p>A. Check for transit damage on the appliance and read the instructions</p> <p>B. Nothing</p> <p>C. Check for damage</p> <p>D. Check inside the plug</p>	
<p>19</p> 	<p>Who is responsible for the safety of electrical equipment on a daily basis? _____</p> <p>A. The equipment user</p> <p>B. The manufacturer</p> <p>C. The retailer</p> <p>D. Nobody</p>	
<p>20</p> 	<p>Which one of the following pairs of fuses is correct? _____</p> <p>A.  </p> <p>B.  </p> <p>C.  </p> <p>D.  </p>	