



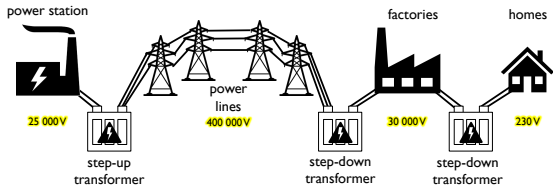
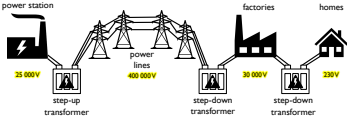
<p>The National Grid</p> <p>What is the National Grid?</p>	<p style="text-align: right;">mrbakerssciencestuff.com</p> <p style="text-align: right;">1 of 7</p>
<p>The National Grid</p> <p>What is the equation for electrical power? Describe each quantity and its unit</p>	<p style="text-align: right;">mrbakerssciencestuff.com</p> <p style="text-align: right;">2 of 7</p>
<p>The National Grid</p> <p>A power station produces electricity of 2.5 kV 20, 000 A. What is the Power of the Power station?</p>	<p style="text-align: right;">mrbakerssciencestuff.com</p> <p style="text-align: right;">3 of 7</p>
<p>The National Grid</p> <p>Describe the efficiency of transformers</p>	<p style="text-align: right;">mrbakerssciencestuff.com</p> <p style="text-align: right;">4 of 7</p>

Instructions:

- (1) Answer the questions.
- (2) Watch science-spark clip and correct your answers.
- (3) Print out, fold over on dotted line and make into flashcards.
- (4) Use for retrieval quizzes.





<p>The National Grid</p> <p>Write down the equation that links the power in the unput and output power of a transformer</p>	<p>mrbakerssciencestuff.com</p> <p>5 of 7</p>
<p>The National Grid</p> <p>A step-down transformer is used to step down an alternating potential difference of 230V to 12V to supply electricity to a 24V, 2.5A lamp. Calculate the current in the primary coil of the transformer when the device is switched on. Assume the transformer is 100% efficient.</p>	<p>mrbakerssciencestuff.com</p> <p>6 of 7</p>
<p>The National Grid</p> <p>Describe in detail why the National Grid takes electricity at such large voltages</p> 	<p>mrbakerssciencestuff.com</p>  <p>7 of 7</p>

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