Name:

Science Unit F Study Guide

A student places a cup of ice in the sun. How does putting it in the sun change its temperature and what will happen?

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How would you describe a circuit that has a bulb that is lit when the switch is closed?

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What form of energy is lightning? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A container of water measures 20 degrees Celsius. A student places the water on a stove and adds heat for five minutes. What will happen to the temperature after heat is added?

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What is the rule about magnets and what they attract?

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What form of energy changes into the heat energy used by a toaster to brown bread?

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Where is the pull of a magnet strongest?

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Which form of energy would be used to light a bulb in a simple circuit?

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What are insulators?

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What are examples of insulators?

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What are conductors?

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What are some examples of conductors?

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What does every magnet have? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What component, when added to the simple circuit, increases the brightness of a bulb?

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What are some objects that will heat up quickly when heat is added to them?

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What is something that increases the strength of an electromagnet?

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A student puts a light bulb in a lamp and turns the lamp on. After it is on for awhile, he touches the bulb. How has energy changed the temperature of the bulb?

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What is one way that you can describe a magnetic field?

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What form of energy increases when you rub your hands together quickly?

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What form(s) of energy is given off by a television set when it is turned on?

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