**Study Guide: Forms of Energy and Energy Transfer**

*Forms of Energy and Energy Conversions*

What is energy? How do you use energy?

Do living organisms use energy? How?

What is the SI unit for energy?

What are the possible two states of all forms of energy?

What is the difference between kinetic and potential energy? Give one example.

What is the formula for kinetic energy?

What is the formula for potential energy?

What are the main 7 forms of energy? Describe each and give one example.

What is an energy conversion? Give three examples of energy conversions.

How was the sun made?

Explain the law of conservation of energy?

*Thermal Energy and Heat Transfer*

How does heat move?

What are the three ways that heat can transfer?

Can heat transfer without a medium?

Explain conduction, convection, and radiation.

Where do cooler fluid particles go? Why?

Where do warmer fluid particles go? Why?

Graphing Potential and Kinetic energy.

***Review your notes and graphic organizers! Make flashcards, and practice with a study-buddy or with your parents! Spend at least 30 minutes studying!***

***\*\*This study guide is only one tool, use all of the resources that you were given.***

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