

# Energy Transformation Olympics Review

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## Understanding Energy Changes

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Answer the following questions based on the lesson about energy transformations.

1. What is an example of mechanical energy transforming?

- A. A battery powering a toy
- B. A car moving from fuel
- C. A light bulb shining

2. Energy can transform from one form to another without being \_\_\_\_.

3. What was the most interesting energy transformation you learned today? Explain why.

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4. All forms of energy can be transformed into each other.

- True     False

5. Which of the following is NOT a type of energy transformation discussed?

- A. Mechanical to electrical
- B. Light to electrical
- C. Water to sound

6. How do energy transformations help us understand God's design? Provide a brief explanation.

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7. In the Energy Transformation Olympics, students trace \_\_\_\_ transformations in various scenarios.

8. Chemical energy can be transformed into heat energy.

- True     False

9. What does Colossians 3:23 encourage us to do in our work?

- A. Work heartily for the Lord
- B. Work only for ourselves
- C. Work slowly and carefully

10. Can you give an example of energy changing forms? Describe it.

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### Answer Key

1. 1    2. created    3. I found the chemical to heat energy transformation interesting because it shows how food provides energy for our bodies.    4. True    5. 2    6. Energy transformations show the complexity and order of creation, reflecting God's intentional design in the world.    7. energy    8. True    9. Work heartily for the Lord    10. An example is when a toaster uses electrical energy to produce heat, which then toasts the bread.