

# Energy Transformation Review

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## Understanding Energy and its Changes

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

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

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

1. What happens to energy during transfers?

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2. Why can't machines be perfectly efficient?

- A. Because they always make noise
- B. Because some energy is lost as heat
- C. Because they are too complicated

3. Energy can disappear completely during transfers.

- True       False

4. God created a purposeful system of energy transformation for every \_\_\_\_ under heaven.

5. Can you think of a machine that makes noise when it works? Describe it.

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6. What is one form that energy can change into during a transfer?

- A. Light
- B. Time
- C. Weight

7. Some energy becomes heat or sound during transfers.

- True       False

8. No machine can be \_\_\_\_% efficient.

9. Why do machines get warm when they're running?

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10. Which scripture reminds us that there is a time for every purpose?

- A. Proverbs 3:5
- B. Ecclesiastes 3:1
- C. Genesis 1:1

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### Answer Key

1. Energy changes form but does not disappear. It can turn into heat or sound. 2. Because some energy is lost as heat 3. False 4. purpose 5. A car engine makes noise when it runs because it transforms energy to move the car. 6. Light 7. True 8. 100 9. Machines get warm because some energy is lost as heat during their operation. 10. Ecclesiastes 3:1