

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

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

Unit 9: Energy  
Study Guide

Describe the following:

1. Sound Energy: \_\_\_\_\_

2. Kinetic Energy: \_\_\_\_\_

3. Potential Energy: \_\_\_\_\_

4. Electrical Energy: \_\_\_\_\_

5. Mechanical Energy: \_\_\_\_\_

6. Chemical Energy: \_\_\_\_\_

7. Convection: \_\_\_\_\_

8. Conduction: \_\_\_\_\_

9. Radiation: \_\_\_\_\_

10. What are the best conductors? \_\_\_\_\_

11. How does a blanket keep you warm on a cold night?

\_\_\_\_\_  
\_\_\_\_\_

*example:  
battery ←*

12. What provides energy to keep a campfire going? \_\_\_\_\_

13. What makes a material a good conductor?

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14. What makes a material a good insulator?

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15. If there are two tables of different <sup>height</sup>, one shorter and one taller, and a book is on each table, which book has greater potential energy? Why?

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16. What is a source of heat in your home? How does this transfer to heat energy?

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17. What are some examples of fossil fuels?

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