

Physical Science

Assignment 16-1, 16-2

Name _____

Class Period _____

Date _____

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Read section 16-1 and 16-2. Then, based on the information in your textbook, answer the following questions :

1. Energy can be defined as...

2. What **metric** unit is used for the measurement of energy?

3. List the five main **forms** of energy and **give an example of each**.

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

4. Define **mechanical energy**.

5. Define **heat energy**.

6. Define **chemical energy**.

7. How is **chemical energy** released?

8. List five **sources** of **electromagnetic** energy.

_____	_____
_____	_____
_____	_____

9. Define **nuclear energy**.

Please continue on the other side.

10. Explain how **solar energy** is produced.

11. What are the two basic "**states**" of energy?

12. Define **kinetic energy**.

13. Describe two **examples** of **kinetic energy**.

14. Define **potential energy**.

15. Describe two **examples** of **potential energy**.

16. Define **gravitational potential energy**.

17. Give two **examples** of **gravitational potential energy**.

18. On page 398, your textbook states "**Heat energy usually results from friction.**"
Give three examples of heat energy being produced **without** friction.
