Physical Science
Chapter 15, Assignment #1

Read pages 372-389. Then, **based on the information in your textbook, answer the following questions :**

Name _____

Class Period _____

Date _____

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1.   Define **work.**

_____

_____

2.   Define **joule.**

_____

_____

3.   What is the relationship between the three metric units **newton, meter and joule?**

_____

_____

4.   Define **power.**

_____

_____

5.   What is the metric unit of **power**?   _____

6.   What is the relationship between the three metric units **watt**, **joule** and **second**?

_____

_____

7.   Machines can multiply either _____ **or** _____ but not both.

8.   Explain machine **efficiency**.

_____

_____

_____

Please continue on the other side.

9.   Define **mechanical advantage**.

_____

_____

10.   Name the simple machines and give two examples of each.

Name	Example 1	Example 2

11.   In the boxes below, draw and **label** each class of lever. *Label each part of each lever.*

12.   In the spaces below, give two examples of each class of lever.

1st Class	2nd Class	3rd Class

13.   In the boxes below, draw and **label** three different examples of pulley systems.