

Name _____

Date _____

Anticipation Guide: Chapter 4 Section 1 p. 106-109

Before Reading: Decide whether the statements below are true or false. In the “Before” column place a T (true) or an F (false). You must make a decision. Do not leave any blank.

During or After Reading: Review your responses and place a T (true) or an F (false) in the “After” column for each statement. Underneath each statement, provide evidence from the text that supports your thinking. Reference ideas from the text with the page number where the information was found.

Before

After

_____ 1. When you exert a force, you always do work.

_____ 2. $\text{Work} = \text{Mass} \times \text{Distance}$

_____ 3. One Joule is equal to the amount of work when one exerts one newton to move an object a distance of 1 cm.

_____ 4. To increase the work done I can either decrease my force or decrease my distance.

_____ 5. If you are moving five large cans of paint from the basement to the second floor of a house, more work is done on the cans if you take them all up at once versus taking them all up individually.