Chapter 4-B (pages 76 - 78)

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

Directions: Either use a textbook from the shelf and read Chapter 4 or log on to my website and read online. Go to Chapter 4 and answer the questions as you read.

1. Machines do one of three things:
   1. They transmit \_\_ \_\_ \_\_ \_\_ \_\_ from one place to another.
   2. They change the \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ of the power or force.
   3. They change the \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ of force or distance the force must travel.
2. A complex machine is made up of one of more \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ machines.
3. What are the six simple machines: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. In the space below, draw the pictures on page 78 and label them.

A first-class lever A second-class lever

A third-class lever

1. In a first-class lever, the \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ is between the load and the effort.
2. In a second-class lever, the \_\_ \_\_ \_\_ \_\_is between the effort and the fulcrum.
3. In a third-class lever, the \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ is placed between the lad and the fulcrum.
4. A simple machine can either be a \_\_ \_\_ \_\_ \_\_ \_\_ multiplier or a \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ multiplier.