

# Module Assessment, Part 1



Complete the sentences by choosing the correct word from the box below.

gravity	inclined plane	lever
attract	wheel and axle	friction

- 1 The force that makes it hard to push a book across a piece of sandpaper is \_\_\_\_\_ .
- 2 A simple machine that contains a fulcrum is a \_\_\_\_\_ .
- 3 The force that pulls objects to Earth is \_\_\_\_\_ .

## Answer the questions.

- 4 What does a lubricant do?  
\_\_\_\_\_  
\_\_\_\_\_
- 5 When do magnets repel each other?  
\_\_\_\_\_  
\_\_\_\_\_

# Module Assessment, Part 2



- 6** Each picture below shows a simple machine. Write the name of each simple machine under its picture. Use the words in the box.

inclined plane

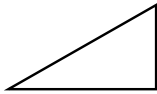
screw

lever

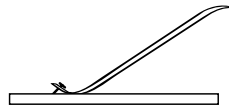
wedge

pulley

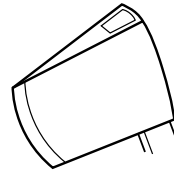
wheel and axle



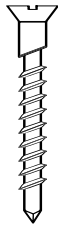
\_\_\_\_\_



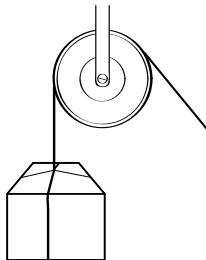
\_\_\_\_\_



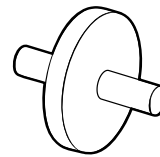
\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

- 7** Which of these simple machines would you use to move a heavy box into a truck? Circle your answer.

# Module Assessment, Part 3

**Materials:**

- 1 board, 12" x 20" x  $\frac{1}{8}$ "
- 1 book
- 3 books, text
- 1 rubber band, long
- 1 spring scale

Use the spring scale to measure how much force it takes to lift the book straight up.

**8** How much force did it take to lift the book?

\_\_\_\_\_

Use the textbooks and the board to make a ramp. Hook the spring scale to the rubber band around the other book. Use the spring scale to pull the book up the ramp.

**9** How much force did it take to pull the book up the ramp?

\_\_\_\_\_

**10** Explain your results using the words "force" and "distance."

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_