

**Bill Nye: Simple Machines**

Name \_\_\_\_\_ pd \_\_\_\_\_

Read through this sheet ***BEFORE*** viewing the video tape.

List 3 simple machines.

\_\_\_\_\_

\_\_\_\_\_ 1. Simple machines help make \_\_\_\_\_ easier.

\_\_\_\_\_ 2. Simple machines allow us to change the (2) and (3) of a force.

\_\_\_\_\_ 3.

\_\_\_\_\_ 4. A pulley changes the \_\_\_\_\_ of the force.

\_\_\_\_\_ 5. A catapult is a type of \_\_\_\_\_.

\_\_\_\_\_ 6. Levers allow us to change the (6) and (7) of forces.

\_\_\_\_\_ 7.

\_\_\_\_\_ 8. The middle of a lever is called the (8) or (9).

\_\_\_\_\_ 9.

7. List 5 other types of levers. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ 10. Do levers have to be flat?

\_\_\_\_\_ 11. If you bend a few levers and hook them together, they look like a \_\_\_\_\_.

\_\_\_\_\_ 12. (12) on a bicycles make work easier and they are an example of a (13).

\_\_\_\_\_ 13.

\_\_\_\_\_ 14. Gears are \_\_\_\_\_ with teeth.

\_\_\_\_\_ 15. Ramps make it easier to walk "up", but you have to walk \_\_\_\_\_.

\_\_\_\_\_ 16. An example of a ramp you use every day is a \_\_\_\_\_.

\_\_\_\_\_ 17. Ramps make things easier to \_\_\_\_\_.