

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 _____.