

Name \_\_\_\_\_ Per \_\_\_\_\_ Date \_\_\_\_\_

## **Bill Nye – Simple Machines**

1. Simple Machines change size and direction of \_\_\_\_\_.
  2. A \_\_\_\_\_ can change the direction of a force.
  3. The part of a lever around which it moves is called the \_\_\_\_\_.
  4. A catapult is a type of \_\_\_\_\_.
  5. Name 2 of the types of levers.
  6. A lever that rotates around a central fulcrum is a \_\_\_\_\_.
  7. Gears are wheels with \_\_\_\_\_.
  8. A \_\_\_\_\_ allows you to easily achieve a certain height but you must walk a longer distance.
  9. Stairways are a form of a \_\_\_\_\_.
  10. A spiral staircase is a lot like a \_\_\_\_\_.
  11. A screw is a \_\_\_\_\_ wrapped around a rod.
  12. The distance between the threads on a screw is called the \_\_\_\_\_.
  13. A prosthesis is an \_\_\_\_\_.
  14. A crane uses \_\_\_\_\_ to lift heavy loads.
  15. With a pulley system, you use more rope (distance) but less \_\_\_\_\_ to lift a load.
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16. What originally pulled the trolley cars in San Francisco?
  17. A sailboat uses \_\_\_\_\_ to raise the sails.