

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.
16. What originally pulled the trolley cars in San Francisco?
17. A sailboat uses _____ to raise the sails.