Physical Science
Chapter 5 Reading Quiz

Name:

1. In order for work to be done, a _____ must make something move.
2. Doing work is a way of transferring _____ from one object to another.
3. Another way to think of energy is the ability to do _____.
4. What is the metric unit of work? _____
5. If a force of 10N is applied through a distance of 6m, how much work is done? _____
6. _____ is the rate at which work is done.
7. A watt is the unit for _____.
8. If a machine does 30J of work in 6s, what is the power of the machine? _____
9. What are the two ways that machines can make work easier? _____ _____
10. The work done in lifting an object depends on the change in _____ of the object.
11. Some _____ change the direction of the force that is applied to them.
12. The force that is applied to the machine is called the _____.
13. Because energy cannot be _____ or _____, the amount of energy the machine transfers to the object cannot be greater than the amount of energy you transfer to the machine.
14. The ratio of the output force to the input force is the _____ _____.
15. Window _____ use a machine that changes the direction of an input force.
16. In an ideal machine there is no _____ .
17. _____ is a solid that sometimes is used as a lubricant.
18. Oil reduces the _____ between two surfaces.
19. How many simple machines are there? _____
20. Levers are classified by the location of the input force, the output force, and the _____.
21. In which class of lever is the output force located between the fulcrum and the input force.
22. A fixed pulley changes only the _____ of your force.
23. Two of the simple machines are modified levers. The pulley is one and the _____ is the other.
24. Which simple machine has an inclined plane wrapped around it? _____
25. Two or more simple machines working together is called a _____ machine.