

Name _____

Simple & Compound Machines

Unit Test

VOCABULARY. Fill in the blank with a word from below. *SPELLING COUNTS!* (2 points each)

Force	Fulcrum	Inclined Plane	Lever
Load	Machine	Pulley	Screw
Simple Machine	Wedge	Wheel and Axle	Work

1. The object being lifted or moved by a lever is called the _____.
2. A _____ is an object that is wide at one end and pointed at the other and is used to cut or split other objects.
3. The supporting point on which a lever rests is called a _____.
4. A _____ is any type of tool that makes work easier.
5. A _____ is a stiff bar that moves about a fixed point and is used to push, pull, or lift objects.
6. A _____ is a machine with few or no moving parts.
7. A _____ is a wheel with a rope attached to it and is used to lift heavy objects.
8. A _____ is a wheel attached to a rod which makes it easier to move or turn things.
9. A push or pull that causes an object to move or change its speed or direction is called a _____.
10. _____ occurs whenever a force makes an object move over a certain distance.
11. An _____ is a flat surface that is raised so that one end is higher than the other and is used to move heavy objects up and down.
12. An inclined plane wrapped around a cylinder or cone that holds objects together is a _____.

MULTIPLE CHOICE. Circle the letter of the best answer. (3 points each)

13. There are ___ types of simple machines.
 - A. four
 - B. five
 - C. six
 - D. seven
14. All of the following are examples of levers **EXCEPT**:
 - A. Seesaw
 - B. Crowbar
 - C. Flagpole
 - D. Shovel
15. Which of the following is a simple machine?
 - A. Pulley
 - B. Wedge
 - C. Wheel and axle
 - D. All of the above

16. A pair of scissors would be an example of a ____.
- A. Wheel and axle
 - B. Simple machine
 - C. Compound machine
 - D. None of the above
17. All machines fall into one of ____ types.
- A. seven
 - B. six
 - C. two
 - D. four
18. Flagpoles, curtain rods, and mini-blinds are all examples of ____.
- A. levers
 - B. wheels and axles
 - C. pulleys
 - D. wedges
19. Amy used a knife to cut an apple into pieces. What type of simple machine did she use?
- A. Wedge
 - B. Lever
 - C. Screw
 - D. Inclined Plane
20. Which of the following is an example of an inclined plane?
- A. A flagpole
 - B. A fork
 - C. A ramp
 - D. All of the above
21. Which simple machine is used to hold objects together?
- A. Wedge
 - B. Screw
 - C. Lever
 - D. Pulley
22. Which is **NOT** part of a lever?
- A. Stiff bar
 - B. Wheel
 - C. Fulcrum
 - D. Load
23. Jack and Jill got water from the well. They used a ____ to pull the filled bucket back up.
- A. Wheel and axle
 - B. Lever
 - C. Screw
24. Which is an example of a pulley?
- A. Door knob
 - B. Curtain rods
 - C. Flagpole
 - D. Both B & C

25. Which picture below shows a wheel and axle being used?

A.



B.



C.



D.



26. Which picture shows a compound machine?

A.



B.



C.



D.



27. Which picture shows an inclined plane?

A.



B.



C.



D.



28. Which picture shows a lever?

A.



B.



C.



D.



29. Which picture does **NOT** show a wedge?

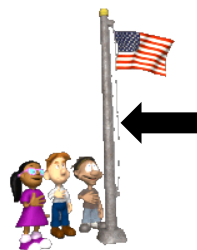
A.



B.



C.



D.

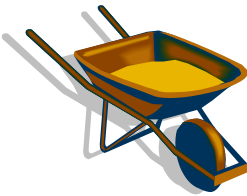


30. Which picture is **NOT** a compound machine?

A.



B.



C.



D.



TRUE OR FALSE. Write “T” for true and “F” for false. (2 points each)

31. _____ A wedge is two inclined planes that are laid back to back.
32. _____ Most of the machines we use every day are simple machines.
33. _____ A boy who pushes against the side of a tall mountain has done work.
34. _____ A pulley is a simple machine that is used to hold objects together.
35. _____ The purpose of machines is to make work easier for people.

SHORT ANSWER. Answer with complete sentences. (6 points each)

36. Give one example of each type of simple machine that people use every day. For each example, label what type of machine it is.

37. What is the difference between simple machines and compound machines?