

Name: _____

Date: _____

1. Jonas needs to split a log. He has a sledge hammer. What other tool should he also use to split the log?

- A. a lever
- B. a pulley
- C. a wedge
- D. a fulcrum

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2. The picture below shows a seesaw.



A seesaw on a playground is an example of what type of simple machine?

- A. lever
- B. screw
- C. wedge
- D. wheel and axle

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3. The picture below shows a pair of scissors.

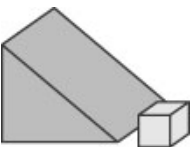
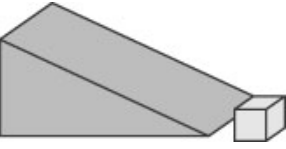
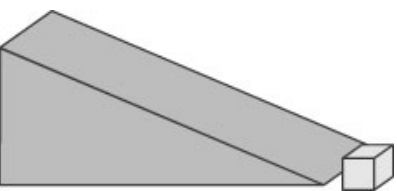
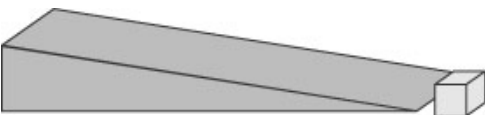


Scissors are an example of a complex machine. Which of the following simple machines are combined to make scissors?

- A. lever and gear
- B. gear and pulley
- C. lever and wedge
- D. wedge and pulley

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4. It is easiest to push a box up which ramp?

- A. 
 - B. 
 - C. 
 - D. 
-

5.

Use the picture below to answer this question.



What simple machine is helping Tom move the soil?

- A. screw
 - B. wheel
 - C. wedge
 - D. lever
-

6.

Use the picture below to answer this question.



One of the simple machines from the picture that is used to move trash from one place to another uses

- A. a wheel.
 - B. a pulley.
 - C. an inclined plane.
 - D. a lever.
-

7.

Use the picture below to answer this question.



The simple machine, shown by the arrow, that enables you to stop your bike is

- A. a pulley.
 - B. an inclined plane.
 - C. a wheel.
 - D. a lever.
-

8. Which is a simple machine?

- A. water
 - B. chair
 - C. pulley
 - D. candle
-

9. Which simple machine is used to hold objects together?

- A. hammer
 - B. pulley
 - C. screw
 - D. wedge
-

10. Which of these is a simple machine?

- A. a crayon
 - B. a wagon
 - C. a book
 - D. a paper clip
-

11. Samuel's mother sent him to bring back a big bag of sand from a sandpile down the street. Which machine should Samuel use to help him do the job?

- A. crowbar
 - B. pulley
 - C. screwdriver
 - D. wheelbarrow
-

12. Which simple machine is used on a flagpole to help when the flag is raised?

- A. lever
 - B. pulley
 - C. inclined plane
 - D. wedge
-

13. Bob and his dad are building a tree house. Which machine will help them lift the materials up into the tree?

- A. lever
 - B. pulley
 - C. wedge
 - D. wheel
-

14. Which simple machine would be BEST for lifting a piano to the second floor?

- A. gear
 - B. screw
 - C. wedge
 - D. pulley
-

15. A pulley would be used to

- A. cut paper.
 - B. lift an object.
 - C. split a log.
 - D. hold objects together.
-

16. Jim's family just got a large, heavy box delivered to their house. The box was so heavy that they could not lift it. Jim's dad suggested that they turn a wooden board into a simple machine to make moving the box easier. They moved the board over the stairs and got the box inside easily.



Which kind of simple machine did Jim and his father use to move the box?

- A. a lever
 - B. a wheel
 - C. a pulley
 - D. an inclined plane
-

17. Which simple machine BEST describes the shovel shown below?



- A. screw
 - B. lever
 - C. pulley
 - D. wheel
-

18. Children sometimes use simple machines to play.



Using the picture above, what is the name of the simple machine that the child is using?

- A. glide
- B. pulley
- C. swing
- D. wheel

19. Which example of a simple machine is a lever?

- A. screw
 - B. pulley
 - C. ramp
 - D. pliers
-

20. Use the picture below to answer this question.



The balance is a simple machine called

- A. a lever.
 - B. a pulley.
 - C. a wheel and axle.
 - D. an inclined plane.
-

21. Which simple machine is used to raise the flag on a flagpole?

- A. inclined plane
 - B. lever
 - C. pulley
 - D. wedge
-

22.

What is a simple machine?

- A. a machine with few parts
 - B. a machine that can not operate
 - C. a machine that is very complicated
 - D. a machine that can operate without energy put in
-

23.

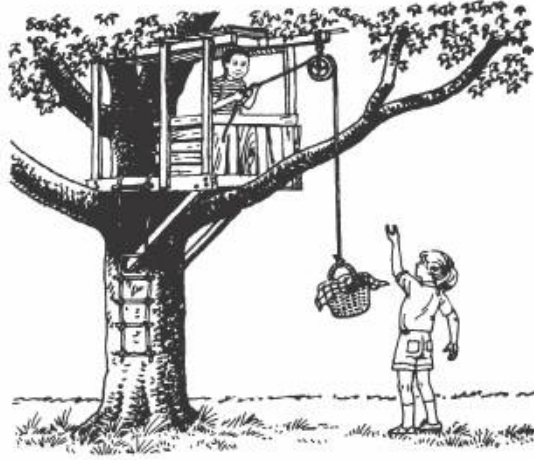
Which answer lists only simple machines?

- A. screw, car, tires
 - B. lever, screw, wheel
 - C. television, computers, lever
 - D. lawn mower, edger, leaf blower
-

24. Which one of these would be best to use to move the box out of the truck?

- A. A pulley
- B. A lever
- C. A wheel and axle
- D. An inclined plane

25.



The basket is being lifted by —

- A. a pulley.
- B. a wheel and axle.
- C. an inclined plane.
- D. a lever.

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26.

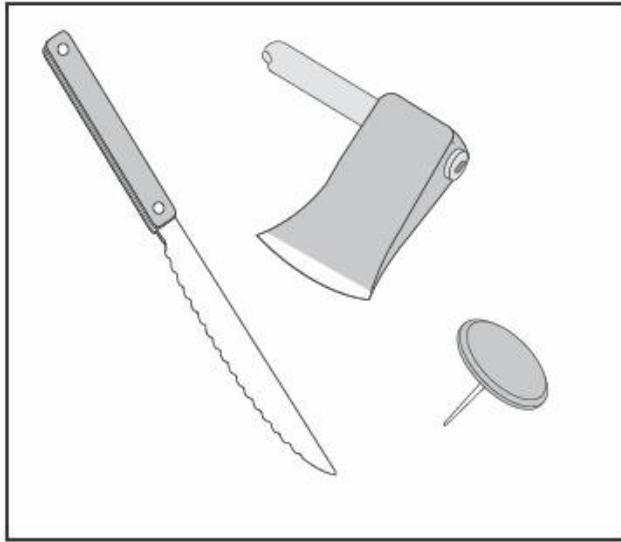


The head of an axe is wide at one end and pointed at the other to help cut or trim trees. The axe head is an example of —

- A. a pulley
- B. a wheel and axle
- C. a wedge
- D. an inclined plane

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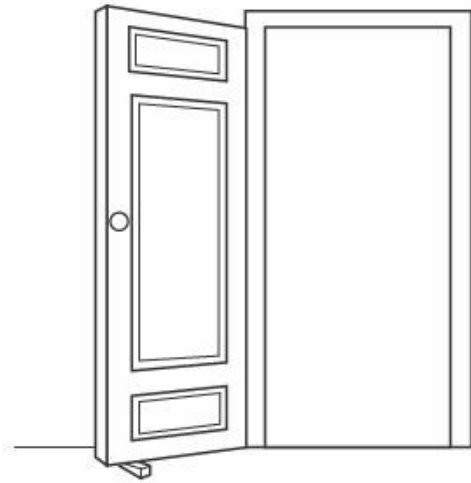


Each of these simple machines contains a —

- A. wheel and axle.
- B. lever.
- C. pulley.
- D. wedge.

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28.


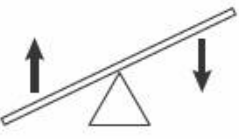
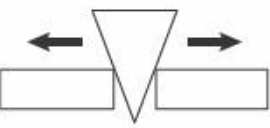



Which of the following is being used to hold the door open?

- A. A wedge
- B. A screw
- C. A lever
- D. A pulley

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29. Which of the following pictures shows how a wedge works?

- A.  A diagram of a pulley system. A rope is fixed to a ceiling, passes over a pulley, and then goes down to a weight. An upward arrow is shown next to the weight, and a downward arrow is shown next to the free end of the rope.
- B.  A diagram of a lever. A triangular fulcrum is in the center. A long bar rests on the fulcrum. On the left end, there is an upward arrow. On the right end, there is a downward arrow.
- C.  A diagram showing a wedge-shaped object being driven between two rectangular blocks. Two horizontal arrows point outwards from the blocks, indicating they are being pushed apart.
- D.  A diagram showing a wheel on an inclined plane. The wheel is at the bottom of the slope. A curved arrow inside the wheel indicates it is rotating. A straight arrow points up the slope, indicating the direction of motion.

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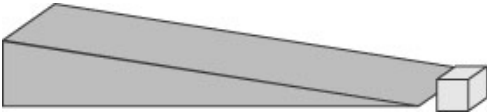
Answer Key

1. C) a wedge

2. A) lever

3. C) lever and wedge

4. D)



5. B) wheel

6. A) a wheel.

7. D) a lever.

8. C) pulley

9. C) screw

10. B) a wagon

11. D) wheelbarrow

12. B) pulley

13. B) pulley

14. D) pulley

15. B) lift an object.

16. D) an inclined plane

17. B) lever

18. B) pulley

19. D) pliers

20. A) a lever.

21. C) pulley

22. A) a machine with few parts

23. B) lever, screw, wheel

24. D) An inclined plane

25. A) a pulley.

26. C) a wedge

27. D) wedge.

28. A) A wedge

