

Name: _____

Date: _____

SIMPLE MACHINES TEST

1. Circle **True** or **False**:

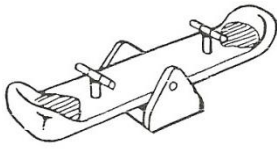
- | | | |
|--|---|---|
| a) A force makes something move. | T | F |
| b) Turning is a type of movement. | T | F |
| c) Bouncing is not a type of movement. | T | F |
| d) You can move something by pushing it. | T | F |
| e) You cannot move something by pulling it. | T | F |
| f) A fulcrum is always the middle of a lever. | T | F |
| g) A bigger slope makes things move down easier. | T | F |
| h) All balls bounce the same. | T | F |

2. Fill in the blanks to complete the sentence.

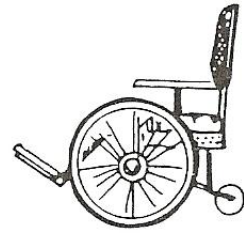
- A _____ is a tool with a slanting side that ends in a sharp edge.
- A _____ make it easier to push or pull something.
- A _____ is a grooved wheel that holds a rope.
- A _____ is an inclined plane that goes in a spiral. It helps hold things together.
- An _____ is a slanted surface connecting two levels.
- A _____ is a bar that is used to help move something.

inclined plane	lever	pulley
wheel and axle	wedge	screw

3. Match the type of simple machine to the pictures.

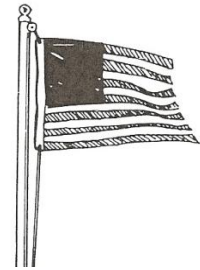


Lever



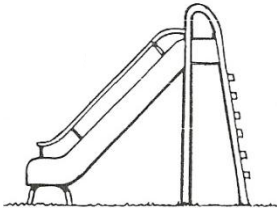
Screw

Inclined Plane

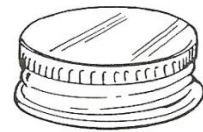


Wedge

Pulley



Wheel and Axle



4. A bicycle is a mechanism that uses many different simple machines.

a. Name the simple machines on a bicycle.

b. How does a bicycle make life easier for humans?

5. Explain how simple machines help humans.

6. Explain how simple machines can be bad for humans.

7. Explain how simple machines can affect the environment.

SIMPLE MACHINES

K	R	G	Q	S	D	W	E	D	G	E	T
G	L	I	A	I	F	Y	P	Z	O	U	W
M	E	F	J	M	A	C	H	I	N	E	I
E	V	E	Y	P	U	L	L	N	Z	X	S
C	E	H	H	L	M	P	X	C	D	G	T
H	R	S	Z	E	R	I	P	L	A	N	E
A	F	U	L	C	R	U	M	I	Q	R	X
N	L	P	U	L	L	E	Y	N	M	U	F
I	C	U	M	O	V	E	M	E	N	T	O
S	C	R	E	W	Q	K	Y	D	V	W	R
M	H	T	B	O	U	N	C	E	B	Z	C
W	H	E	E	L	A	N	D	A	X	L	E

LEVER
SCREW
PULLEY
WHEEL AND
AXLE
WEDGE

INCLINED PLANE
FORCE
MOVEMENT
PUSH
PULL
TURN

TWIST
BOUNCE
SIMPLE
MACHINE
MECHANISM
FULCRUM