

Answer Key

Match each simple machine with the machines below.

a. inclined plane write the letter on the line.

b. wedge

c. screw

d. wheel and axle

e. lever

f. pulley

1. knife B

2. wheelchair ramp A

3. potter's wheel D

4. threaded bolt C

5. bottle opener E

6. screw-top bottle C

7. doorstop B

8. screwdriver D

9. doorknob D

10. flag pole mechanism F

11. wheel barrow E (handle portion)

Enter the appropriate word(s) to complete the statement.

Use the diagram of the bicycle to answer the following questions.



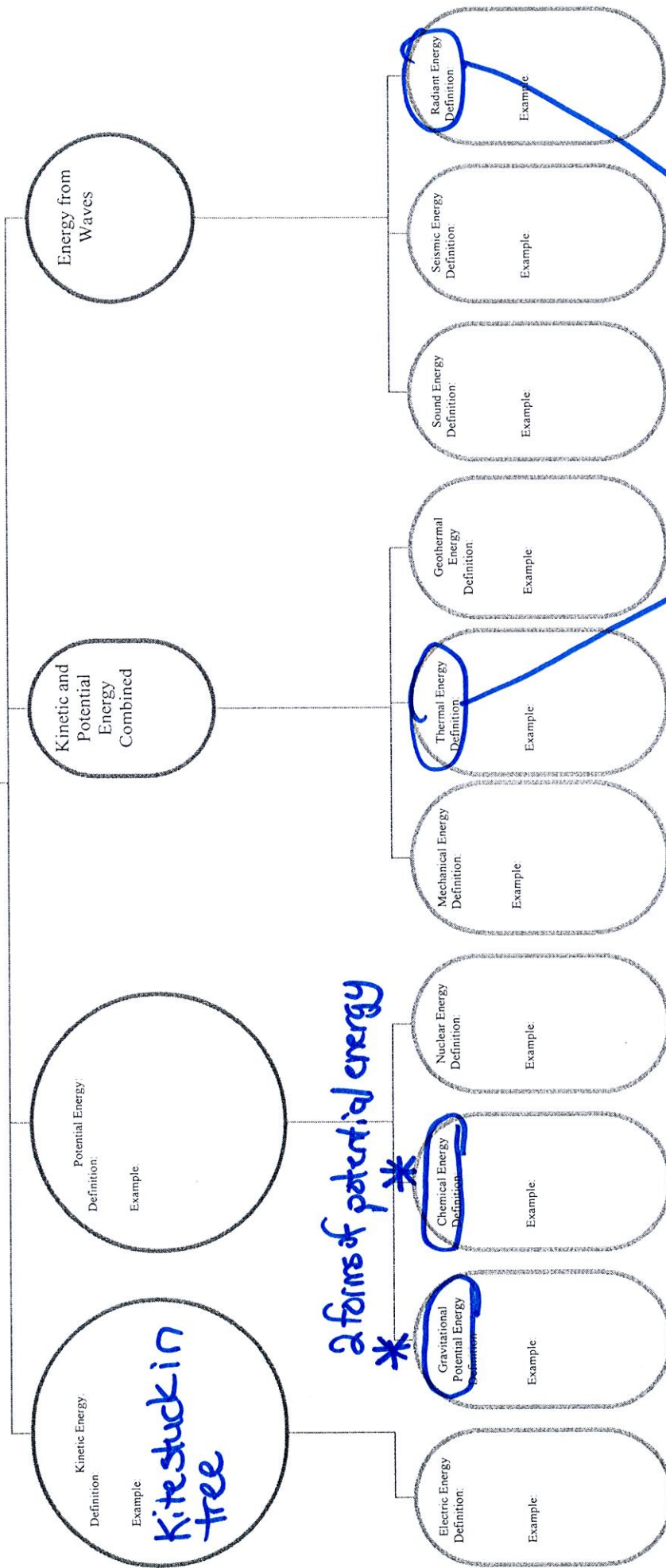
12. The handlebars are a simple machine called a lever.
13. The pedals and crank work together as a simple machine called a lever.
14. The wheel on the bicycle moves because of the wheel and axle simple machine.

Know the formula for work. $work = force \times distance$

Fill in the graphic organizer on the next page or create your own.

Energy
Definition:

Law of conservation of
Energy: energy can be
transformed from one form
to another, but can't be
created or destroyed



Kinetic Energy
Definition:
Example:
Kite stuck in tree

Potential Energy
Definition:
Example:

Kinetic and
Potential
Energy
Combined

Energy from
Waves

2 forms of potential energy *

Electric Energy
Definition:
Example:

Gravitational
Potential Energy
Definition:
Example:

Chemical Energy
Definition:
Example:

Nuclear Energy
Definition:
Example:

Mechanical Energy
Definition:
Example:

Thermal Energy
Definition:
Example:

Geothermal
Energy
Definition:
Example:

Sound Energy
Definition:
Example:

Seismic Energy
Definition:
Example:

Radiant Energy
Definition:
Example:

Produced by a
burning fire

