

**Kinetic and Potential Energy**

Total questions: 20

Worksheet time: 10mins

Name

Class

Date

1. Energy due to motion is \_\_\_\_\_ energy.

- a) Potential
- b) Energy
- c) Kinetic
- d) Friction

2. The faster an object moves, the \_\_\_\_\_ kinetic energy it has.

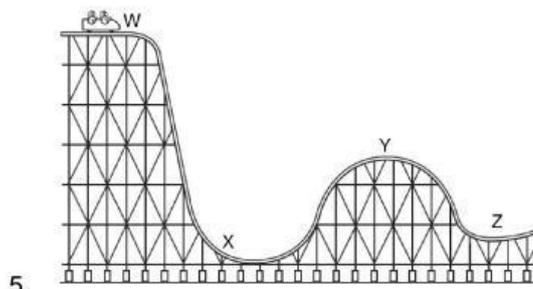
- a) more
- b) less
- c) none of the above
- d) all of the above

3. \_\_\_\_\_ is stored energy.

- a) Potential
- b) Kinetic
- c) None of the above
- d) All of the above

4. When you stretch a rubber band, you are storing \_\_\_\_\_ energy.

- a) kinetic
- b) potential
- c) none of the above
- d) all of the above



At which point is potential energy greatest?

- a) W
- b) X
- c) Y
- d) Z



6.

What kind of energy is in a moving skateboard?

- a) Potential
- b) Kinetic
- c) Both potential and kinetic energy
- d) none of the above



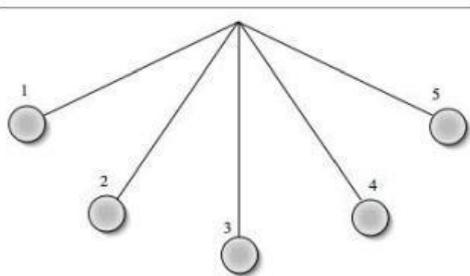
7.

What kind of energy is in a rock at the edge of a cliff?

- a) Potential
- b) Kinetic
- c) Both potential and kinetic energy
- d) none of the above

8. Which is the best example that something has kinetic energy?

- a) a. a car parked on a steep hill
- b) b. a tennis ball rolling across the court
- c) c. a picture hanging on the wall
- d) d. a piece of coal before it's burned



9.

When a pendulum swings, at which point is kinetic energy highest?

- a) 1
- b) 2
- c) 3
- d) 4

10. Which is an example of potential energy?

- a) a roller coaster speeding down a hill
- b) the pulled back string on an archers's bow
- c) releasing the strings on a guitar
- d) an electric current lighting a light bulb

11. At the top of a loop there is more of this type of energy?

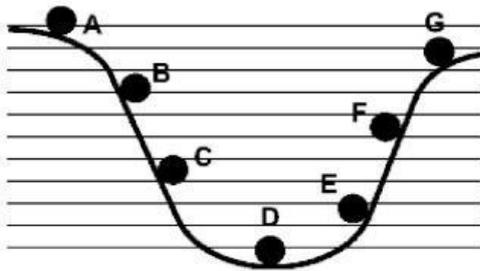
- a) Potential
- b) Kinetic

12. On a roller coaster, where is maximum potential energy?

- a) At the bottom of a big hill
- b) When going around a corner
- c) When going upside down
- d) At the top of a big hill

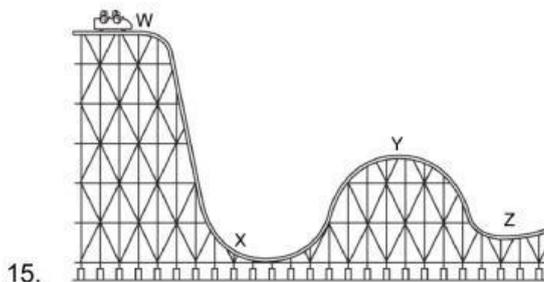
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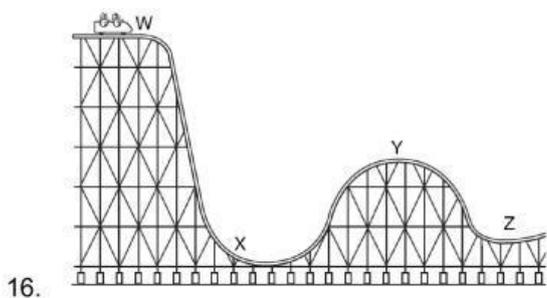
14. Which point has the most potential energy?

- a) G
- b) f
- c) b
- d) a



15. Which 2 letters have the most kinetic energy

- a) W & Y
- b) X & Z



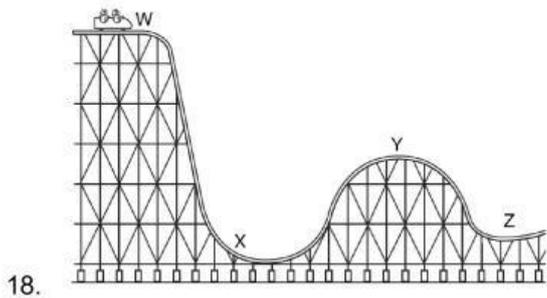
At which point is potential energy greatest?

- a) W
- b) X
- c) Y
- d) Z



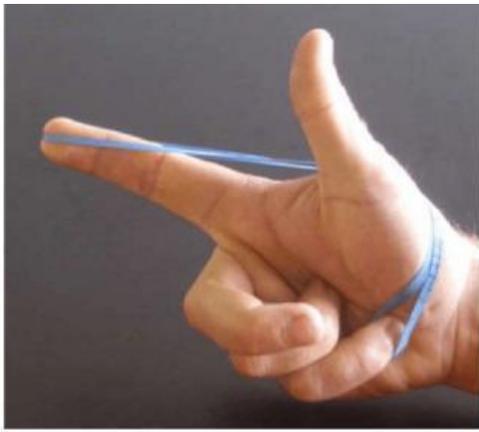
What kind of energy is in an acorn hanging from an oak tree?

- a) Potential
- b) Kinetic



At which point is kinetic energy greatest?

- a) W
- b) X
- c) Y
- d) Z



19.

What kind of energy is in a stretched rubber band?

a) Potential

b) Kinetic



20.

Where would a person have to be located to have the **minimum** gravitational potential energy?

a) up on the roof

b) down in the basement

c) in the middle

d) outside