



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 20.06.20

Duration: 40 min

Worksheet Solution 43

Full Marks: 15

ENERGY

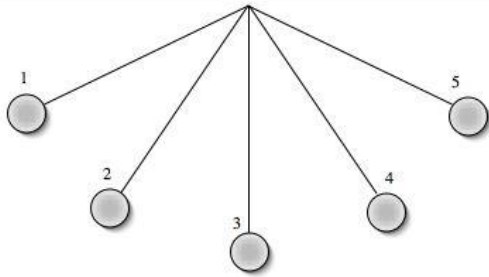
Choose the Correct options:

1. What is the ability to do work?
(a) Energy
(b) Kinetic energy
(c) Potential energy
2. What do we call the different kinds of energy?
(a) Energy
(b) Kinetic energy
(c) Energy Forms
3. What is the energy of motion that depends on speed and mass?
(a) Chemical energy
(b) Kinetic energy
(c) Potential energy
4. What is the energy of position or shape that depends on weight and height, also called stored energy?
(a) Energy
(b) Kinetic energy
(c) Potential energy
5. Energy of motion is which type of energy?
(a) Potential
(b) Kinetic
(c) Sound
6. Stored energy that an object has due to its position or chemical composition is...
(a) Potential
(b) Kinetic
(c) Mechanical
7. What type of energy is in this picture?



- (a) Kinetic
(b) Potential
(c) Electromagnetic

8. When a pendulum swings, at which point is potential energy at its greatest

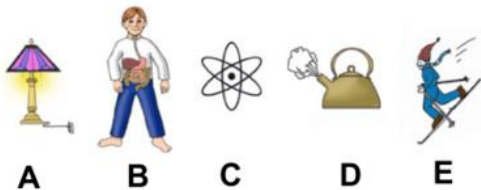


- (a) 1
- (b) 3
- (c) 4

9. A bicycle and a fan have what type of energy in common?

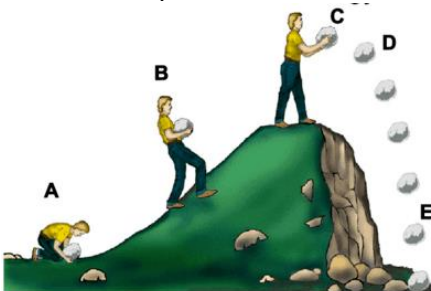
- (a) Kinetic
- (b) Potential
- (c) Electrical

10. Which picture shows kinetic energy?



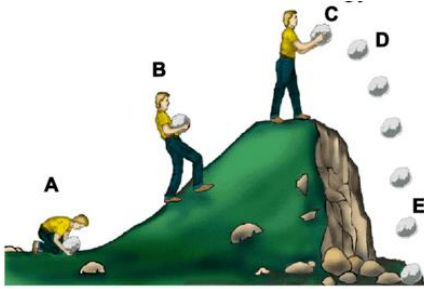
- (a) A
- (b) C
- (c) E

11. At what position does the rock acquire the greatest potential energy?



- (a) A
- (b) B
- (c) C

12. At what position does the rock have the greatest kinetic energy?

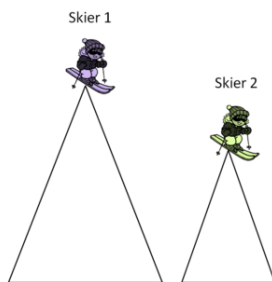


- (a) E
- (b) B
- (c) D

13. The ability to do work or cause change is...

- (a) Gravity
- (b) **Energy**
- (c) Work

14. Which skier will have a greater potential energy?



- (a) **Skier 1**
- (b) Skier 2
- (c) Neither

15. You are jumping on a trampoline. When you are at highest point in the air, what kind of energy is that?

- (a) **Potential**
- (b) Kinetic
- (c) gravity