



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 20.06.20

Duration: 40 min

Worksheet 43

Full Marks: 15

ENERGY

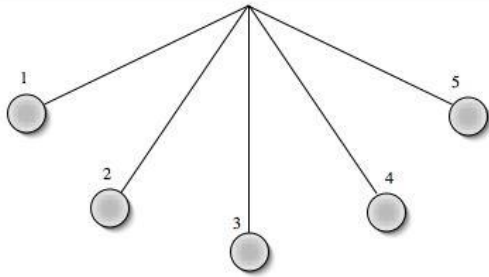
Choose the Correct options:

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

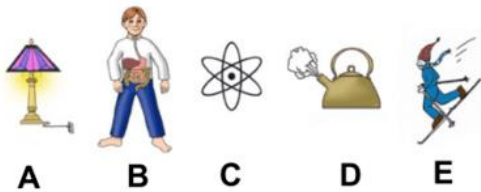


- (a) 1
- (b) 3
- (c) 4

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

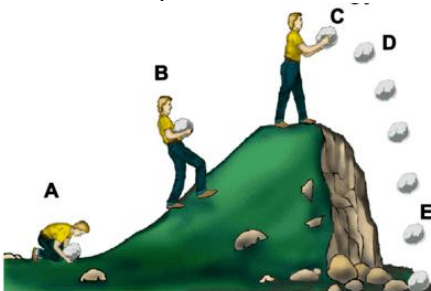
- (a) Kinetic
- (b) Potential
- (c) Electrical

10. Which picture shows kinetic energy?



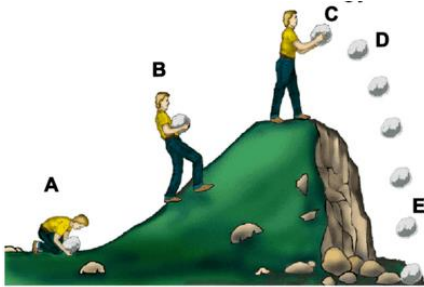
- (a) A
- (b) C
- (c) E

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?

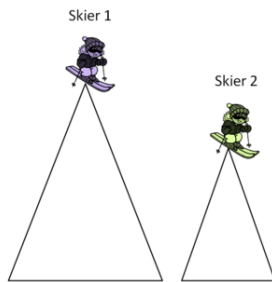


- (a) E
- (b) B
- (c) D

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