

Physics (New Book) - 9th Class Physics English Medium Chapter 6 Preparation

Q1. Write the uses of wind energy

Ans 1: Use of Wind Energy: Wind energy is used as a source of energy for centuries It has been used by windmills to grind grain and pump water It is also used to turn wind turbines.

Q2. Define potential energy and write its formula

Ans 1: Potential energy: The energy possessed by a bogy due to tis position is known as its potential energy

Q3. What is magma

Ans 1: Magma In some parts of world, the Earth provided us hot water from geyser hot spring There is hot molten part deep in earth called magma.

Q4. Define Energy

Ans 1: Energy Ability of a body to do work is called energy

Ans 2: Unit: It has two basic types It SI unit is Joule

Q5. What are effects of fossil fuels on human health

Ans 1: It causes serious health problem such as headache, tension, nausea, allergic reaction and irritation of eyes, nose and throat.

Q6. How Biomass is used to obtain energy

Ans 1: There are different ways to get energy from biomass Some of these are as follow

Different forms of biomass are used to run power plants.

Many Industries that use forest products get half of their electricity by burning Burk and other wood wastes electricity by burning Burk and other wood wastes

Plants and animal wastes can be burnt as fuel

Q7. Define energy, give two types of mechanical energy.

Ans 1: A body possess energy if it is capable to do work. Unit: Its unit is joule Quantity: It is scalar quantity Types of mechanical energy: i. Kinetic energy ii. Potential energy

| Q8. Differcreate between Mechanical energy | v and Sound energy |
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Ans 1: Mechanical Energy: energy possessed by a body due to its motion or change in position is called mechanical energy

Ans 2: Sound Energy: Energy produced by a body due to its vibration is called sound energy

Q9. Prove that

Ans 1: P=W/t

P=f.s/t

P=F.v

Q10. A cyclist does 12 joules of useful work while pedaling his bike from every 100 joules of food energy which he takes. What is his efficiency?

Ans 1: W= 12J

E= 100 J

Efficiency = 12J/100J

= 0.12

% Efficiency = 0.12 x100

= 12%