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Energy and Power MCQ Test

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Below is the **Energy and Power MCQ** test that checks your basic knowledge of Energy and Power. This **Energy and Power MCQ Test** contains 20 Multiple Choice Questions. You have to select the right answer to the question. Finally, you can also take the Online Quiz from the Take **Energy and Power Quiz** Button.

Q1. Energy equals _____ multiplied by time.

- A. work
- **B. power**
- C. force
- D. None of these

Q2. Watt's Law states that: Power= Voltage x Current.

- **A. True**
- B. False

Q3. Battery capacity is measured in _____ .

- **A. mAH**
- B. Ohm
- C. Jule
- D. None of these

Q4. The joule is a unit of energy.

- **A. True**
- B. False

Q5. A battery is one type of power supply that converts ____ energy into electrical energy.

- A. work
- B. mechanical
- **C. chemical**
- D. None of these

Q6. What is the unit of Power?

- **A. Watt**
- B. Volt
- C. Amphere
- D. None of these

Q7. Potential energy due to gravity is depends upon acceleration due to gravity, mass and the distance above a surface.

- **A. True**
- B. False

Q8. How much time will be required to perform 520 J of work at the rate of 20 W?

- A. 24 s
- **B. 26 s**
- C. 25 s
- D. None of these

Q9. The energy possessed by a body due to its position is called:

- A. Kinetic Energy
- **B. Potential Energy**
- C. Mechanical Energy
- D. Electrical Energy

Q10. Which one of the following is not a form of energy?

- A. Kinetic Energy

- B. Potential Energy
- C. Work
- **D. Current**

Q11. When an object falls freely towards the ground, then its total energy ____.

- A. increases
- B. first increases then decreases
- **C. remains constant**
- D. decreases

Q12. ____ states that energy can neither be created nor destroyed - only converted from one form of energy to another.

- **A. The law of conservation of energy**
- B. Ohm Law
- C. Kirchoff Law
- D. None of these

Q13. What do you mean by power in terms of Physics?

- **A. power is energy per unit of time**
- B. power is energy
- C. power is current per unit of time
- D. None of these

Q14. Is Force is related to the movement of energy from one place to another?

- **A. Yes**
- B. No

Q15. What is the dimensional formula of work done?

- **A. ML^2T^2**
- B. $ML^{-2}T^2$
- C. ML^2T^{-1}
- D. None of these

Q16. Energy due to motion is _____ energy.

- A. Potential Energy
- **B. Kinetic**
- C. Friction
- D. None of these

Q17. What are the two factors that affect kinetic energy?

- A. time and energy
- B. power and mass
- **C. mass and speed**
- D. time and work

Q18. Kinetic energy is a ____ quantity.

- **A. scalar**
- B. vector
- C. dimensionless
- D. None of these

Q19. Which of the following is the unit of energy?

- A. newton-meter
- B. Joule
- **C. both A and B**
- D. None of these

Q20. Which is the not unit of Power?

- A. Milliwatt
- B. Kilowatt
- C. Watt
- **D. Volt**

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