

Name _____

Energy-Efficient Technologies: Maximizing Power, Minimizing Waste

Multiple Choice Questions

1. What does energy efficiency aim to achieve?
 - a) Wasting more energy
 - b) Reducing energy consumption while achieving the same results
 - c) Using more energy to complete tasks
 - d) Increasing energy waste

2. Which type of bulb is considered an energy-efficient alternative to incandescent bulbs?
 - a) Fluorescent bulbs
 - b) Halogen bulbs
 - c) LED bulbs
 - d) Candle bulbs

3. How do smart thermostats contribute to energy efficiency?
 - a) By increasing energy consumption
 - b) By making homes uncomfortably hot
 - c) By learning user preferences and adjusting temperature settings
 - d) By turning off heating and cooling systems

4. What is a key advantage of hybrid and electric vehicles in terms of energy efficiency?
 - a) They waste more energy than conventional cars
 - b) They use inefficient engines
 - c) They rely solely on fossil fuels
 - d) They maximize energy use and reduce emissions

5. What is the primary source of energy for solar panels?
 - a) Wind
 - b) Water
 - c) Sunlight
 - d) Geothermal heat

