

1. Which expression is a like function for the expression of the probability?

- a.  $3x^2 + 2x + 1$
- b.  $3x^2 + 2x + 1$
- c.  $3x^2 + 2x + 1$
- d.  $3x^2 + 2x + 1$

2. The energy of a system is called:

- a. Kinetic energy
- b. Potential energy
- c. Mechanical energy
- d. Thermal energy

3. The flow of thermal energy from a warmer object to a cooler object is called:

- a. Heat
- b. Temperature
- c. Thermal energy
- d. Energy

4. The amount of thermal energy transferred to an object is determined by:

- a. Mass, temperature change, and specific heat
- b. Mass, temperature change, and volume
- c. Mass, temperature change, and density
- d. Mass, temperature change, and area

5. How does thermal energy flow?

- a. Randomly
- b. In waves
- c. In particles
- d. In molecules

6. Which material would heat up most quickly?

- a. Water
- b. Iron
- c. Glass
- d. Plastic

7. Conduction is the way of transferring:

- a. Heat energy
- b. Mass without heat energy through the walls
- c. Heat without mass through the walls
- d. Mass without heat energy

8. The temperature of an object is determined by:

- a. Volume, mass, and density
- b. Mass, volume, and density
- c. Mass, volume, and temperature
- d. Mass, volume, and area

9. Heat energy is transferred by:

- a. Conduction, convection, and radiation
- b. Conduction, convection, and density
- c. Conduction, convection, and area
- d. Conduction, convection, and volume

10. Which expression is a like function for the expression of the probability?

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