

## **PUZZLES**

### **UNIT 1**

#### **LAW OF CONSERVATION OF MASS AND ENERGY**

1. The law that states "Mass cannot be created or destroyed." → **CONSERVATION**
2. The unit of energy in the SI system. → **JOULE**
3. The principle stating that energy remains constant in a closed system. → **ENERGYBALANCE**
4. The scientist who formulated the principle of conservation of energy. → **JOULE**
5. The energy stored in an object due to its position. → **POTENTIAL**
6. A type of energy that is due to motion. → **KINETIC**
7. The equation that expresses energy-mass equivalence (Hint: Einstein). →  **$E=MC^2$**
8. The principle used in fluid mechanics that relates pressure, velocity, and height. → **BERNOULLI**
9. The law used in thermodynamics to describe energy conservation. → **FIRST LAW**