

1. **Work and Energy:**
  - a. Define work and energy in the context of physics.
  - b. Explain the principle of conservation of energy with examples.
2. **Sound:**
  - a. Describe the characteristics of a sound wave.
  - b. Explain how sound is produced and transmitted through different mediums.
3. **Why Do We Fall Ill:**
  - a. Discuss the importance of personal hygiene in preventing diseases.
  - b. Explain the concept of immunization and its role in disease prevention.
4. **Natural Resources:**
  - a. Classify natural resources into renewable and non-renewable categories.
  - b. Discuss the importance of water conservation and sustainable use.
5. **Improvement in Food Resources:**
  - a. Explain the process of crop rotation and its benefits.
  - b. Discuss the role of manure and fertilizers in agriculture.
6. **The Tissues:**
  - a. Differentiate between simple and compound tissues.
  - b. Explain the functions of muscle and nervous tissues.
7. **Atoms and Molecules:**
  - a. Define a molecule and give examples of diatomic and polyatomic molecules.
  - b. Explain the concept of valency with examples.
8. **The Sound of Music:**
  - a. Discuss the role of resonance in producing music.
  - b. Explain the working principle of musical instruments like the guitar or flute.
9. **Natural Disasters:**
  - a. Describe the causes and effects of earthquakes.
  - b. Explain the preventive measures and safety measures during earthquakes.
10. **The Living Organisms and Their Surroundings:**
  - a. Explain the adaptations in organisms for survival in their habitats.
  - b. Discuss the concept of ecosystem and its component