

0 Multiple Choice Questions

0 Fill in the Blanks

0 One-word Answer Questions

0 Short Answer Questions

5 Long Answer Questions

1. Explain the particulate nature of matter with reference to the activities described in the text. How does the behavior of particles of matter in these activities prove that matter is made up of tiny particles?

2. Describe the characteristics of particles of matter as highlighted in the chapter. Provide examples or activities that demonstrate each characteristic.

3. Compare and contrast the states of matter—solid, liquid, and gas—based on their physical properties such as shape, volume, and compressibility. Use examples from the text to support your answer.

4. Explain the concept of diffusion with reference to the activities in the chapter. How does temperature affect the rate of diffusion of particles of matter?

5. Discuss the forces of attraction between particles of matter. How do the activities described in the text help us understand the strength of these forces in different substances like iron nails, chalk, and water?