

Use a Particle Model With Care: Practice Independently



Name: _____ Date: _____

Use the material to work through each task. Show the requested response.

A simplified particle model

In a solid model, particles remain near relatively fixed positions while vibrating. In a liquid model, nearby particles can move past one another. In a gas model, particles are more widely separated and move through the available space. Particle pictures are not actual-scale photographs.

1. Explain why a gas occupies available container space.

2. When a solid melts, must its particles themselves melt into liquid blobs?
