

Use a Particle Model With Care: Explore and Explain



Name: _____ Date: _____

Explore the material. Talk through your reasoning with suitable support.

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. Which model allows nearby particles to move past each other?

2. Which model has particles vibrating around relatively fixed positions?
