

Use a Particle Model With Care: Apply and Create



Name: _____ Date: _____

Use what you learned to explain, construct or apply an idea.

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. Sketch particle models for solid, liquid and gas.

2. Why should dot size in a sketch not be used to infer actual particle size?