

Use a Particle Model With Care: Apply and Create



Use the matching sheet ID when checking answers.

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

1. Sketch particle models for solid, liquid and gas.

Look for:

- Keeps particle identity distinct from arrangement.

One possible response: Close regular arrangement; close mobile arrangement; widely spaced arrangement.

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

Look for:

- Recognizes the representation's limits.

One possible response: The diagram is symbolic and not to scale.

Open responses use criteria and an illustrative response. Other well-supported responses can be acceptable.