

Date: _____

Chapter 5, lesson A: Particle Model and Properties (5.A.1)

1. Complete the table. Use the following words.

ice	milk	orange juice	rock	sand	water
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Solids	Liquids

2. Which of these sentences is/are correct?

Tick (✓) the correct box beside each sentence.

	True	False
a. Materials can be solids only.	<input type="checkbox"/>	<input type="checkbox"/>
b. Materials are made up of particles.	<input type="checkbox"/>	<input type="checkbox"/>

3. Complete the sentences. Use the following words.

material	particles	substance
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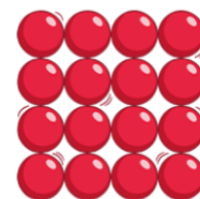
- a) A _____ is made of one type of matter.
- b) A _____ can be made of one or more substances.
- c) All matter is made up of _____.

4. Adam notices that sand behaves like a liquid. It takes the shape of the container that it is poured into. Adam draws the particle model below to show the particles in sand.



Is Adam correct? Explain.

5. The diagram shows the particle model of a substance.



a. What is the state of the substance? _____

b. Describe the way the particles are arranged and how they move.

6. Draw a line to match each word to its correct description.

word

material

particles

substance

description

glass is used to make windows

water exists as a solid, liquid and gas

in a solid, these are close together