



Unit 3 >> States and properties of matter

Name: _____

Class 5 _____

Lesson 3.1

****Question (1) ****

The particle model is used to describe solids, liquids, and gases.



(a) The table shows properties of solids, liquids, and gases. Complete the table by putting ticks (✓) in the correct boxes.

property	solid	liquid	gas
Fixed shape.			
Able to flow. It is runny and flows downwards			
Particles have lots of room to move around			
Particles have lots of room to move around			
Easily compressed.			

(b) A gas condenses.

What happens to the particles when a gas condenses?

.....

****Question (2) ****

Here are some substances that are solids, liquids, or gases:

butter	orange juice	chocolate	water	ice	steam	mercury	salt	iron	snow	oxygen
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(a) Write down the substances in the correct column: **solid**, **liquid** or **gas**.

Solid	Liquid	Gas

(b) When ice is warmed, it changes. Write down the name of this process.

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(c) If water was cooled to 0°C, it changes. Write down the name of this process.

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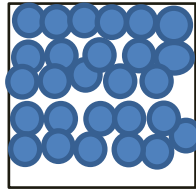
(d) What will happen to water if it boils?

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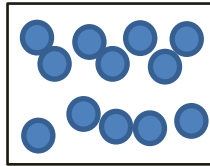
****Question (3)****

(a) Draw lines to match each word with the correct diagram.

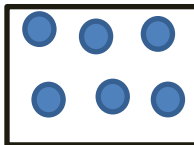
Gas



solid



Liquid



****Question (4) ****

The Earth is surrounded by a layer of air. The layer of air contains many gases.



(a) What is the name of the layer of air surrounding the Earth's surface?

(b) Water vapour is one gas found in this layer of air.

Write down the names of three other gases found in this layer of air.

1.

2.

3.

(c) Some gases are in the layer of air because of pollution.

Describe the meaning of the word pollution.

(d) How does air pollution affect our health ?

(e) What causes air pollution ?
