

7G Particle model of solids, liquids and gases

literacy in science

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Answer all the questions below:



Click mouse to reveal answer

1) Unscramble the following words:

mosat

lidsos

icartples

ltimegn

2) Make three sentences using the following nine words or phrases:

when solids
all materials
diffusion

heat up
are made
particles

to melt
particles
spreading out

3) Match the word or phrase with the right meaning:

Particle

The spreading out of gas or liquid particles

State of matter

The basic unit of all solids, liquids and gases

Diffusion

A material can either exist as a solid, liquid or gas

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solids

partcles

melting

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complete the sentence

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Place the right word or words to complete the sentence:

 [Click mouse to reveal answer](#)

good

three

randomly

diffusion

squashed

particles

fixed

volume

liquid

- There are _____ states of matter, solid, liquid and gases.
- A solid has a _____ shape and volume with stationary particles that are close together.
- A liquid has a fixed _____ but takes the shape of its container, with moving particles that are close together.
- A gas has no fixed shape or volume with particles that move _____ at high speeds.
- _____ is the spreading out of particles through a liquid or gas.
- Gases are _____ easily, because there is space between its particles.
- Solids are _____ conductors of heat because their particles are close together.
- All material is made from _____ .
- Sand is really a solid without a definite shape, so it behaves like a _____ .

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complete the sentence

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Place the right word or words to complete the sentence:

good

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randomly

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squashed

particles

fixed

volume

liquid

- a) There are three states of matter, solid, liquid and gases.
- b) A solid has a fixed shape and volume with stationary particles that are close together.
- c) A liquid has a fixed volume but takes the shape of its container, with moving particles that are close together.
- d) A gas has no fixed shape or volume with particles that move randomly at high speeds.
- e) Diffusion is the spreading out of particles through a liquid or gas.
- f) Gases are squashed easily, because there is space between its particles.
- g) Solids are good conductors of heat because their particles are close together.
- h) All material is made from particles.
- i) Sand is really a solid without a definite shape, so it behaves like a liquid.