

You were able to give examples of

solids, liquids and

espladud. neing balloons and take up space by dases have mass and You investigated how

Move forward i

temperature. and no gribnagab in different states substance exists You forgot that the

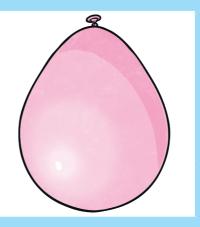
Go pack 1 space

Solids,

Liquids

and

Gases



demonstration. pinbij buimojf You set up a slow-

Move forward 3

Question Time!

cards here.

Place your



Go back 1 space

You forgot the name of the gases that make up air.





You learn about Aboriginal and Torres Strait Islander peoples' understanding of evaporation and how it helps them to conserve

Go back 2 spaces

You forgot that liquid could be poured.



Move forward 3

all substances could be easily classified. You forgot that not

Go back W spaces

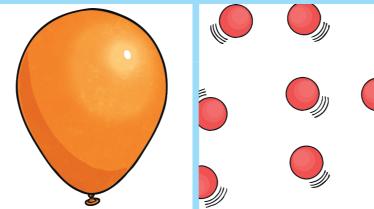


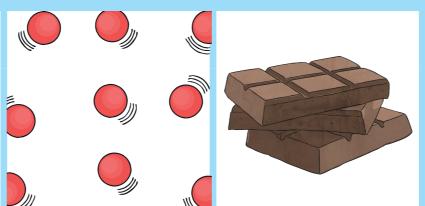
Move forward 1

Place your used

True or False?

You remember how particles are arranged and move in solids, liquids and gases.





Regent Studies | www.regentstudies.com

True or False?

Lemonade is a liquid and bubbles in lemonade are a gas.

True

True or False?

Helium inside a balloon is a gas.

True

True or False?

Gases can be squashed.

True

True or False?

Sand is a liquid.

False

True or False?

Solids can change shape on their own.

False

True or False?

Gases don't weigh anything.

False

True or False?

The particles in a solid are close together and still.

True

True or False?

Particles in a gas move quickly, spread out and fill the space available.

True













True or False?

Sugar is a solid.

True

True or False?

When heated, chocolate changes into a solid.

False

True or False?

When a solid changes to a liquid, it is called melting.

True

True or False?

Particles in a liquid cannot move.

False

True or False?

Some materials can change from one state of matter to another and back again.

True

True or False?

Evaporation is the term given for a solid changing to a gas.

False

True or False?

Liquids have a fixed shape.

True

True or False?

Liquids have a fixed volume.

True















If you put something in a container, how would you tell if it was a liquid?

It floats in the container.

It fills only part of the container.

It becomes the same shape as the container.

Question Time

Non-Newtonian fluids don't always behave the same way as 'normal' liquids.
Which is a non-Newtonian fluid?

cornflour slime

apple juice

sand

Question Time

Why do bubbles have mass and take up space?

They are full of liquid.

They are magic.

They are filled with gases.

Question Time

Liquids take this state when they evaporate.

gases

solids

rain

Question Time

What does water become when it is cooled?

ice

steam

dry ice

Question Time

Things take this form when they freeze.

liquid

qas

solid

Question Time

Dry ice is a solid gas (carbon dioxide). What makes dry ice so different from ice made from water?

It changes directly from solid to gas (sublimation) leaving no residue.

It can be found in Antarctica.

It is created from snow.

Question Time

What happens to particles as you heat them up?

They move around faster, get further apart and spread out.

They become still and cold.

They disappear.













Question Time

Add a word to complete the sentence. To change a solid to a gas you need to...



Question Time

Add a word to complete the sentence. To change a liquid to a solid you need to

heat it. cool it. mix it.

Question Time

What makes each state of matter different?



number of particles

size of particles

Question Time

Water changes to this state at 100°C.

solid

gas

liquid

Question Time

Which of the states of matter changes its shape and volume to fill the container it is in?

solid

liquid

gas

Question Time

The process of a gas changing state into a liquid is called?

condensation

melting

evaporation













Solids, Liquids and Gases Game Instructions

You will need:

This game is for 2-4 players.

- Dice
- Counters
- · Game Cards

Each player receives a counter and places them at the start position.

The player who is youngest begins.

- 1. Roll the dice.
- 2. The player moves their counter the number of spaces that they rolled on the dice.
- 3. If the player lands on a picture square, they do not need to answer a question.
- 4. If the player lands on a picture to do with solids, liquids or gases, they must pick a card from either pile and pass it to the player on their left.
- 5. The person to the left asks the question. If the player answers incorrectly, they stay on the same space.
- 6. If the player answers correctly, they may move forward two spaces. If the player answers incorrectly, they stay on the same space.
- 7. If the player lands on a space with words, they must read the statement and move forward or backwards accordingly.

The first player to reach the star at the finish line wins.

To extend the game, you may go around the board more than once.