

Oaklands School



Science home learning

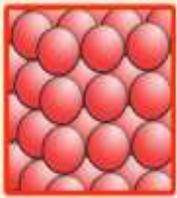
Year 7- Most able

Particles workbook

Have fun having a go at the activities inside this pack on solids, liquids and gases.

We really hope you have fun doing some of these activities!

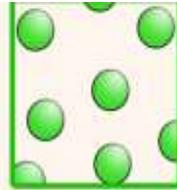
Solids, liquids and gases keywords



solid



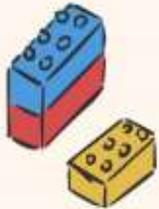
liquid



gas



metal



plastic



water



boil



melt

dissolve

material



freeze

solution



burn



steam



wood

Solid, Liquid or Gas?

Sort these items into the boxes on the next page. Are they a solid, a liquid or a gas? You can draw or write your answers.



tea



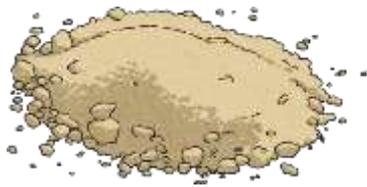
wool



metal tin



cola



sand



orange juice



oxygen



hot air

Solid

Liquid

Gas

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Solids, Liquids and Gases Treasure Hunt



Look around your house; can you find any things that are solid, liquid or gas? Draw them in the boxes below and write the reason for your choice.

Item	Is it a solid, liquid or gas?	Reason

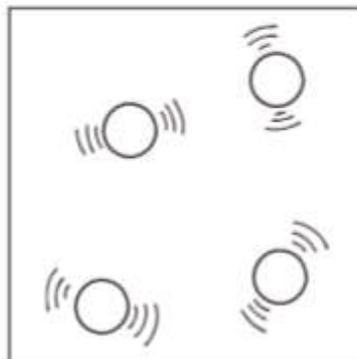
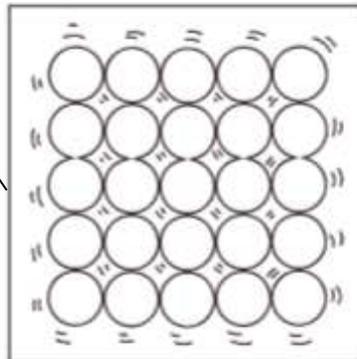
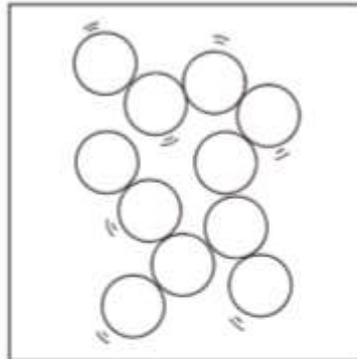
Particles

Which diagram shows the particles in a solid, liquid and gas? Draw a line to match them up, then match the diagram to a description. One has been done for you!

Solid

Liquid

Gas



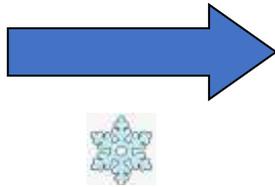
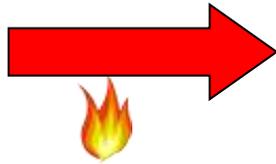
Particles are spread out and can move about quickly in all directions.

Particles are closely-packed in a regular pattern. They vibrate on the spot.

Particles are close together, but random. They can move over each other.

Changing State

Can you name the processes shown in the diagram? Use the words in the box below to add the labels.



freezing melting

Can you think of anything else that melts when it gets warm?

Tick either **one** or **two** boxes in each row to show whether a solid, liquid or gas matches the description in that row.

property or use	solid	liquid	gas
It is used to build hard structures.			
It flows easily through a pipe or tube.			
It can be squeezed into a much smaller space.			

Just for fun!

Colour in this picture of the three forms of water.

