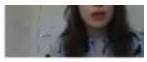
LC: Can I understand what the properties of a solid, liquid and gas are?
L.C: Can I see how the particles behave inside Solids, Liquids and Gases?

Part 1 - Task 1: Complete the tables below whilst watching the first Oak academy clip.

Properties of solids, liquids and gases

State of matter	Is it compressible?	Can it flow?	What happens to its shape in a container?
Solid			
Liquid			
Gas			

Solid, liquid or gas?



Copy and complete the table

Example	Solid, liquid or gas?	Why?
Water in a glass		
Air in a balloon		
A wooden block		

Complete the online Quiz.

Task 2 Complete the Twinkle work sheets on Seesaw to group solids, liquids and gases.

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Part 2 - Task 3 - On the second Oak Academy clip.

Solid	Particles are touching and in ordered rows
Liquid	Particles are far apart from each other
Gas	Particles are touching in a random arrangement

Solid	Particles can slide past each other
Liquid	Particles are moving constantly in all directions
Gas	Particles cannot move but can vibrate

Task 4 – Complete the table below with the words and images on the next sheet.

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Particle Properties

Can I sort and describe materials?

State	Particle Arrangement	Particle Properties	Material Properties

E.G Solid Drawing How particles move Its shape

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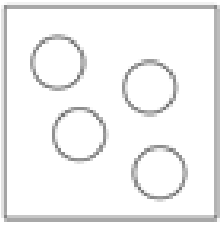
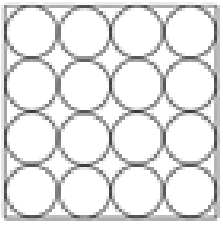
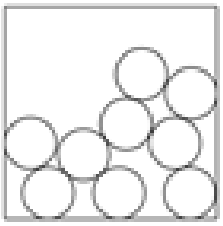
Particle Properties

Cut out the cards and stick them on your 'Solid, Liquid or Gas?' activity sheet to complete the table.

solid	Particles are close together but random. They can move over each other.		Keeps its shape unless a force is applied to it. Remains the same volume.
liquid	Particles are spread out and can move about quickly in all directions.		Does not keep its shape. Can spread out to fill the space it is in.
gas	Particles are closely packed in a regular pattern. They vibrate on the spot.		Takes the shape of the container it is in. Stays the same volume.