

Potions



LT investigate if all liquids are runny.

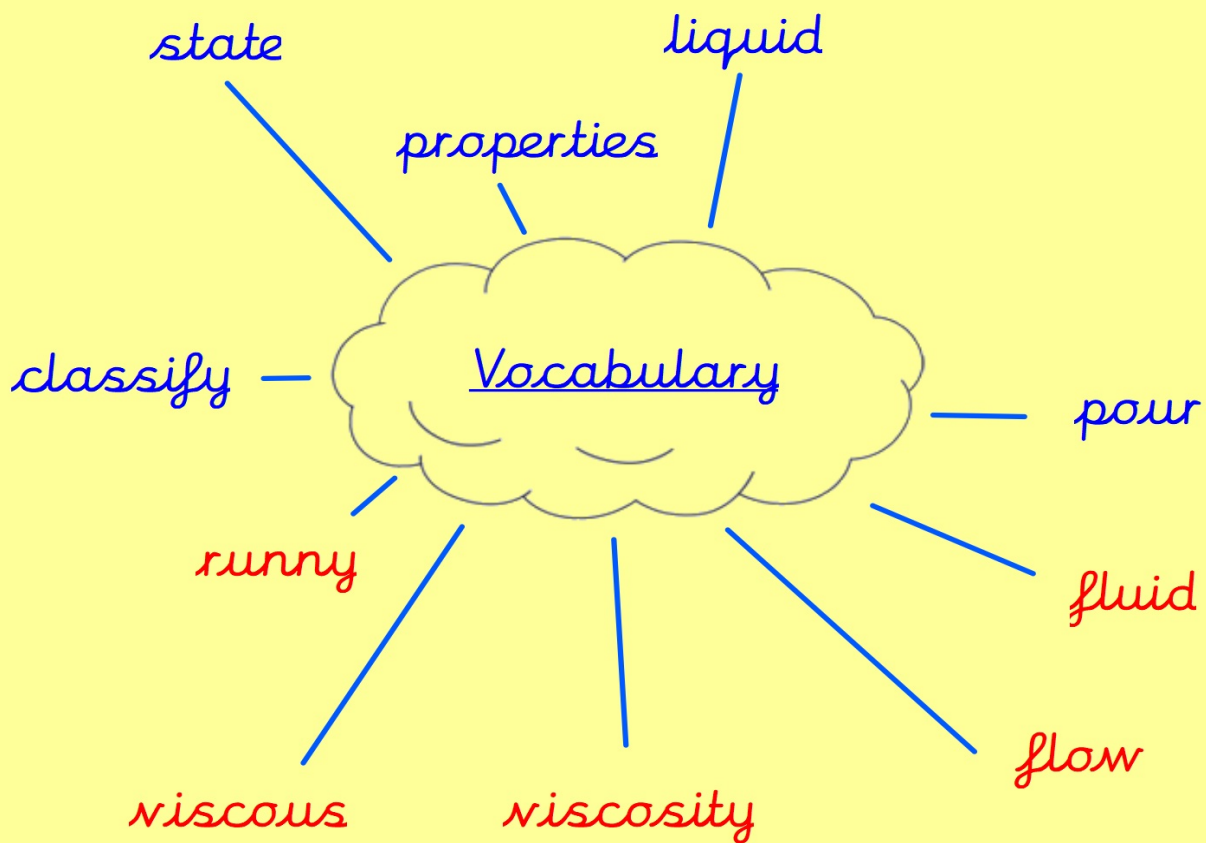
Potions



Retrieval:

- The 3 states of matter are...
- A difference between these states of matter is...
- A liquid that behaves like a solid is...
- This happens because...

LT investigate if all liquids are runny.



viscous:

*having a thick, sticky consistency between solid and liquid;
having a high viscosity.*

Love to investigate

Learning to investigate if all liquids are runny.

Remember to:

- Predict what will happen.
- Record results accurately.
- Evaluate results.



Today we are investigating the viscosity of some liquids.

How could we test this?



We will drop the same amount of liquid at the top of a slope. We will then time how long it takes for the liquid to reach the bottom.

What do you think will happen?
What is your prediction?



- 1) What do you want to find out?
- 2) What do you think will happen?
- 3) What will you measure?
- 4) How will you make sure your test is fair?
- 5) What will you change?
- 6) What will you keep the same?
- 7) What will you need?



Discuss these questions then complete the task 1

How fast are liquids?

Time taken (seconds)

40
38
36
34
32
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0

syrup

ketchup

oil

water

WUL

Liquids tested

Plenary

Thinking about the experiment, can you think about why liquids have different viscosities.

Think about what you know about molecules in liquids.

