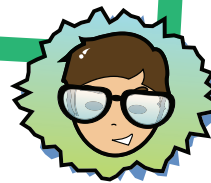




SLIME TIME

You are going to make different slimes and carry out an experiment to compare them. Teachers will need to prepare solutions in advance. Wear gloves and eye protection at all times.



STEP 1

Making Slime Instructions:

1. Pour 25 ml of the PVA solution (irritant)  into a disposable cup.
2. Add a drop of food colouring and stir well with a spatula.
3. Now add 5 ml of the borax solution (irritant)  and completely mix them with a stirring rod.
4. Keeping your gloves on, remove the slime from its cup and roll around in your hand for about 1 minute to dry the slime, and to remove any air bubbles.

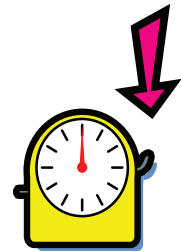
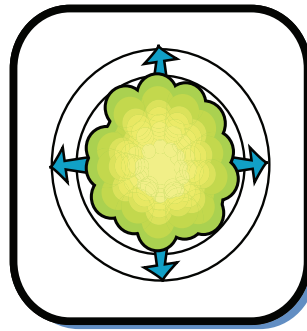
STEP 2

Investigate Slime Properties

1. If you poke the slime gently, does your finger sink into it or does the slime resist?
2. If you pull the slime slowly, does it break or stretch out into a thin film?
3. If you pull the slime quickly, does it break or stretch out into a thin film?
4. If you roll the slime into a ball and throw it onto the desk, does it stick to the desk or does it bounce?

SLIME TIME

CONT.



STEP 3

Comparing Slime Properties:

1. Make a second slime to compare properties:
 - Pour 25 ml of the PVA solution ☒ into a new disposable cup.
 - Add 4 flat teaspoons of talcum powder (irritant) and completely mix with a stirring rod.
 - Finally add 5 ml of the borax solution ☒, mix then roll in your hand as before.
2. Draw two circles (one inside the other) on a white tile, one 5 cm across and the other 7.5 cm across.
3. Place the first ball of slime in the centre of the circles. Wait until it spreads out to touch the inner circle, then start the timer. Stop the timer when the slime reaches the outer circle.
4. Record your result in the table below.
5. Repeat the experiment with the second ball of slime and then make at least 2 other slime preparations only increasing the amount of talcum powder each time.

	Amount of talcum powder (teaspoons)	Time taken for slime to spread (seconds)
0		
4		

STEP 4

What did we find out?