



Name: _____

Class: _____

CORNFLOUR SLIME SCIENCE ACTIVITY

MATERIALS

- ◆ Bowl
- ◆ Cornflour (must be made from corn)
- ◆ Water
- ◆ Large spoon
- ◆ Food colouring

NB: 300 grams of cornflour will make approximately two metric cups of slime.

METHOD

1. Place the cornflour in the bowl. Gradually stir in small amounts of water until all the cornflour is wet.
2. Add a few drops of food colouring and mix to combine.
3. Continue adding small amounts of water and stirring until a thick slime is formed.

Move your hands through the slime—what happens when you do it slowly? What happens when you do it fast? Can you make a bouncy ball? How does it feel when you punch the slime?

WHAT'S HAPPENING?

Cornflour is made up of lots of tiny starch particles, which are extremely attracted to water. So the water gets in amongst the particles very quickly.

The water acts as a lubricant so when you move it slowly, the particles have time to move past each other and they can flow like a liquid.

If you apply a rapid force the particles that are almost touching will jam together. Instead of having lots of lubricated individual particles, you now have a solid structure of lumps touching each other which can't flow.



SCHOLASTIC