Gloopy Slime

Make slime that can’t make up its mind whether it’s a solid or a liquid!

You will need:
- Cornflour
- Water
- Mixing bowl
- Food colouring (optional)

What you do:
Use your hands to mix a roughly equal quantity of cornflour and water, until it feels like honey. Add a few drops of green food colouring if you want to make it look really slimy! Have a play around with your slime. Do you think it’s a liquid or a solid?

You should find...
The slime feels like a liquid when you move your finger slowly around. Try hitting the slime with your fist and you’ll find it acts like a solid. If you get the mixture just right you might be able to roll it into a solid ball in your hands, but as soon as you stop rolling it, it will dribble through your fingers like a liquid - weird!

Cornflour is an odd material. It behaves both like a liquid and a solid. Scientists call materials which act in this strange way ‘non-Newtonian fluids’.

Did you know?
There is water vapour (water in the form of a gas) in the air all around us. When air touches cold things, like cold windows, the water vapour cools down and changes from a gas to a liquid, forming tiny droplets of water on the windows.
Spot the Difference
Can you find the ten differences between these two pictures?