



Name: ..... Form: .....

Based on pages 20 and 21 of *Friction*

# Looking at shapes moving through liquid

## Try this...

1. Take two tall, clear plastic containers and pour water into one and wallpaper paste into the other.

2. Which liquid poured more easily?

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3. Which liquid do you think will put up more resistance to objects moving through it?

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4. Make two pieces of Plasticine the same size.

5. Drop one piece of Plasticine into each container at the same time and see how they fall. Write down your observation here.

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6. You are going to compare how differently shaped objects fall through a liquid. The equipment and materials you will need for this investigation are: two tall clear plastic containers, a large ball of Plasticine, one of the liquids you used in step 5.

On a separate piece of paper, work out a plan to compare how differently shaped pieces of Plasticine fall through the liquid. You should use a pancake shape, a cube shape and a tear-drop shape. You can also use any other shape you can think of. You may include a diagram in your plan.

7. Show your teacher your plan and if it is approved, try it.

## Looking at the results.

8. What did your results show?

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