

BRIGHT LIGHT/PUPIL HELP SHEET



Making your particle camera

- 1** Collect a bottomless crisp tube. Cut a slot about 3 cms from the top to act as a door. Make the slot 2-3 cms wide; this is where you will mount your sample.
- 2** Roll some black paper to fit inside the tube. Then cut a door slot in the black paper. Glue the black paper to the inside of the door.
- 3** Carefully push a pin through both the card and the black paper. This is your sample mounting needle.
- 4** Cover the end of the tube with greaseproof paper and secure it with an elastic band or sticky tape.

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5 Mount the sample on the pin. Close the door.

6 Adjust the distance between the lamp and the tube to get the best shadow on the greaseproof paper screen

7 This is what you should see – can you work out what this is?

