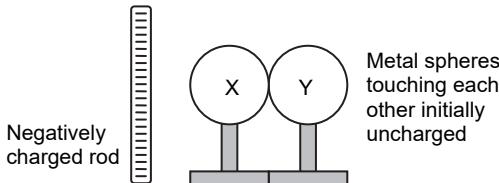


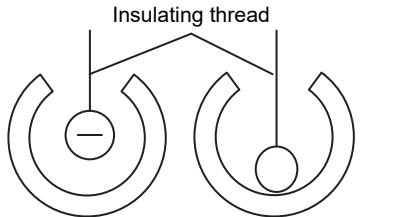
- 10.** If a positively charged glass rod is held near a fine stream of water falling from a tap, the stream of water will
- be unaffected.
 - split up into droplets.
 - curve away from the rod.
 - curve towards the rod.

- 11.** In order to make both of the following two metal spheres positively charged, what should be done?



- Remove the rod after separating X and Y.
- Earth Y for a while after removing the rod.
- Remove the rod and then earth Y for a while after separating X and Y.
- Remove the rod after earthing Y for a while, then separating two spheres.

- 12.** A charged metal ball is lowered into an uncharged hollow metal can. The ball finally touches the can. What will be the final charge on the outside, inside of the can and on the metal ball?



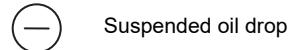
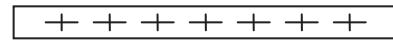
	<u>Inside</u>	<u>Outside</u>	<u>Ball</u>
(A)	0	+	0
(B)	+	-	0
(C)	0	-	0
(D)	-	+	-

- 13.** A pupil wants to charge a metal ball by induction, using a strip of polythene. She uses the following steps but not in this order.

- the metal ball is earthed momentarily
- the polythene strip is brought up to the ball
- the polythene strip is removed
- the polythene strip is rubbed with a woolen cloth

- ii iii iv i
- ii iv iii i
- iv i ii iii
- iv ii i iii

- 14.** The diagram shows a side view of a negatively charged oil drop at rest between two charged metal plates.



What happens to the oil drop if its negative charge is reduced?

- remains stationary
- moves horizontally
- moves upwards
- moves downwards