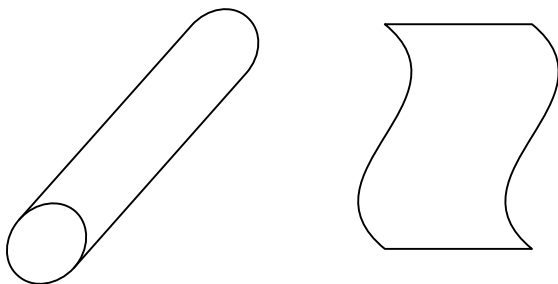


Name _____ Date _____

Section 9.2 Making Sense of Static Electricity

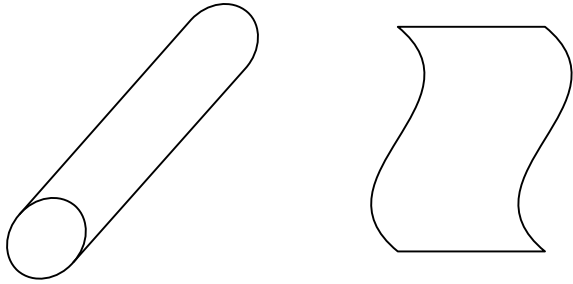
- 1) Charged objects _____ neutral objects (1 mark).
- 2) Identical charged objects _____ each other (1 mark).
- 3) Opposite charges are _____ to each other (1 mark).
- 4) Define the *law of attraction and repulsion* (2 marks).

- 5) Who named the type of charge on amber after it had been rubbed with fur? (1 mark)
- 6) What type of charge is on amber after it has been rubbed with fur? (1 mark)
- 7) What makes an object neutral? (1 mark)
- 8a) Draw the charges on the neutral glass rod and cotton cloth (2 marks).



- b) Explain how their charges are distributed (1 mark).

9a) Draw the charges on the glass rod and cloth after they have been rubbed together (2 marks).



b) Explain how their charges are now distributed (1 mark).

10) What can a metal leaf electroscope detect? (1 mark).

11) Explain how an electroscope works (3 marks). Include a diagram (2 marks).

12) Define Induction (1 mark).