



Electricity and Magnetism / Set 1 / Animation 3

Name _____ Class _____

<Show all work on calculations. Include proper units. Explanations require complete sentences.>

Questions for Animation 1

1) What is the sign of the charge on each object?

Object 1 _____ Object 2 _____ Object 3 _____ Object 4 _____

2) What two objects have the greatest charge and how can you tell?

3) After experimenting with moving the charges around, what is the one thing the lines never do?

4) What can you say about the net charge of the four objects? (Hint: overlap all four)

Questions for Animation 2

5) What is the sign of the charge on each object?

Object 1 _____ Object 2 _____ Object 3 _____ Object 4 _____

6) What is the net charge of the four objects?

Questions for Animation 3

7) What is the sign of the charge on each object?

Object 1 _____ Object 2 _____ Object 3 _____ Object 4 _____

8) What is the net charge of the four objects?