



Electricity and Magnetism / Set 2 / Animation 2

Name _____ Class _____

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

1) Determine the potential difference between the left end of the screen and the right end.

_____ V

2) On which side of the screen does the positive charge have more electric potential energy?

3) Find the final velocity attained when the charge travels from the side of high potential to the side of low potential.

_____ m/s

4) Determine the mass of the red particle if it has a charge of $2 \times 10^{-18} \text{C}$.

_____ kg

5) Sketch the following graph using the x coordinates and electric potential by clicking on the paused screen.

