

PHYSLETS ANSWER SHEET

EM2A1

Electricity and Magnetism / Set 1 / Animation 1

Name			Class	_
<show< th=""><th>all work on calculations. In</th><th>clude proper units. Explanation</th><th>ns require complete sentences.></th><th></th></show<>	all work on calculations. In	clude proper units. Explanation	ns require complete sentences.>	
1)	Use the red test charge to determine the sign of the unknown charge in each animation.			
	Charge 1	Charge 2	Charge 3	
2)			ame distance from the center of the unknown test charge would move if released in each	
	Charge 1	Charge 2	Charge 3	
3)	In which situation wou	ald the test charge undergo	the greatest acceleration? the least acceleration	n?
4)	Describe where a smal potential energy in all	-	eed to be placed to have the greatest amount of	f
5)	Look at the three graphs below the animations. Charges have an electric field in which the electric potential can be graphed. Draw a line to match each graph with the correct electric charge.			
	Graph A		Charge 1	
	Graph B		Charge 2	
	Graph C		Charge 3	