



# Ion Propulsion

# Attractive and Repulsive Forces in Ion Propulsion Engines

## STUDENT REPORTING SHEET

### Part 1

Answers to Questions in Procedure #2

- a.
- b.
- c.
- d.
- e.
- f.

### Part 2

Complete the following table:

Location of negatively-charged particle		Charge on <b>negative</b> particle	Distance from <b>top</b> of screen	Deflection from path
From end of gun	Above the undeflected path			
1.5 cm	1 cm	5		
1.5 cm	1 cm	10		
1.5 cm	2 cm	5		
1.5 cm	2 cm	10		

Answers to Questions in Procedure #14

- a.
- b.
- c.

**Part 3**

Complete the following table:

Location of positively-charged particle		Charge on <b>positive</b> particle	Distance from <b>bottom</b> of screen	Deflection from path
From end of gun	Above the undeflected path			
1.5 cm	1 cm	5		
1.5 cm	1 cm	10		
1.5 cm	2 cm	5		
1.5 cm	2 cm	10		