

AP Physics Part 1 Lab Handout 17 "Discs, Hoops & Spheres"

Your Name: _____ Lab Partner(s): _____

Purpose: To determine which geometric shape has the lowest moment of inertia.

Materials:

ring stand	ring clamp	wooden board
stopwatch	disc & hoop set	variable inertia set
two miscellaneous spheres		

Procedure:

1.

Results:

Observations:

Data:

Object	Mass (kg)	Radius (m)	Shape	Time (s)	Average Time (s)	Moment of Inertia

Diagram:

Error Analysis:

Conclusion: