Name: ______________________ Class: __________

Stroke of Energy

GRADES 6-8

Explore/Elaborate

Student: ______________________

	Distance (meters)	Time (seconds)	Velocity (meters/second^2)	Kinetic Energy (Joules)
Hit #1	answer here	answer here	answer here	answer here
Hit #2	answer here	answer here	answer here	answer here
Hit #3	answer here	answer here	answer here	answer here

Student: ______________________

	Distance (meters)	Time (seconds)	Velocity (meters/second^2)	Kinetic Energy (Joules)
Hit #1	answer here	answer here	answer here	answer here
Hit #2	answer here	answer here	answer here	answer here
Hit #3	answer here	answer here	answer here	answer here

Student: ______________________

	Distance (meters)	Time (seconds)	Velocity (meters/second^2)	Kinetic Energy (Joules)
Hit #1	answer here	answer here	answer here	answer here
Hit #2	answer here	answer here	answer here	answer here
Hit #3	answer here	answer here	answer here	answer here

STEM sports science • technology engineering • math • sports

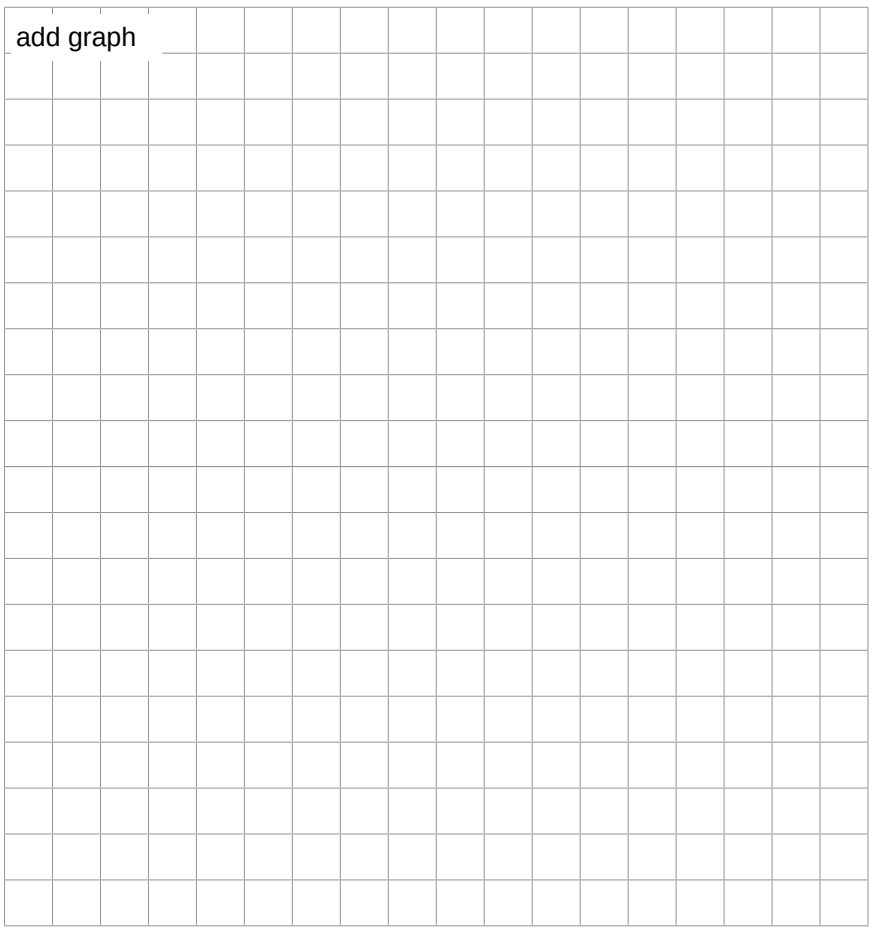
Name: _____ Class: _____

Stroke of Energy

GRADES 6-8

Evaluate

Use your data from the *Explore* and *Elaborate* sections to graph the relationship between velocity (x - coordinate) and Kinetic Energy (y - coordinate).



Describe the correlation between velocity and kinetic energy of the tennis ball.

answer here