

Name: _____

Class: _____

Kinetic Energy in Golf

GRADES 6-8

Which ball has the most energy when hit with the golf club? (check one)

Ping Pong ball

PGA Tour Tee-Up Ball

Trial 1

	Distance (meters)	Time (seconds)	Velocity (m/s)
Ping Pong Ball			
PGA Tour Tee-Up Balls			

Trial 2

	Distance (meters)	Time (seconds)	Velocity (m/s)
Ping Pong Ball			
PGA Tour Tee-Up Balls			

Trial 3

	Distance (meters)	Time (seconds)	Velocity (m/s)
Ping Pong Ball			
PGA Tour Tee-Up Balls			

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	Average Velocity (m/s)	Mass	Kinetic Energy (joules)
Ping Pong Ball		0.0027 kg	
PGA Tour Tee-Up Balls		0.025 kg	

Make a claim about which ball had the most energy when hit by the PGA Tour Tee-Up iron. Support your claim with evidence from the experiment and scientific reasoning.