

Name: _____

Class: _____

Is it Fast or Slow?

GRADES 6-8

Pitches	Pitch 1	Pitch 2	Pitch 3	Average Velocity	Mass (.25 kg)	Kinetic Energy (Calculated) $KE = \frac{1}{2}mv^2$
Fastball						
Curveball						
Change-up						

Graph the kinetic energy of each pitch:



Why do some pitches have more kinetic energy than others? Support your claim with evidence and reasoning.