Activity 1.2 Wrap Up

Activity 1.2 Parts Summary:

Part 1 spheres of different mass/speed dropped into flour & made observations

Part 2 observations of collisions of marbles of the same size & mass

Part 3 observations of collisions of marbles of different size & mass

Part 4 computer simulation & energy skate park

Part 5 tennis ball & basketball demo

What do we know about **kinetic energy**?

a form of energy that involves the movement/motion of objects

How is **kinetic energy** affected by **mass** and **speed**?

low mass = low K.E.

low speed = low K.E.

What examples of **energy transfer** did we see?

- total energy in a system doesn't change, but the form (KE/PE/thermal) changes
- energy transfer ocurred between objects colliding & the skateboarders position on ramp