Newton's First Law

 An object in motion will stay in motion and an object at rest will stay at rest

UNLESS an external net force acts on it.



Inertia

- The **resistance** to change motion
- The greater the mass, the greater the inertia
- "laziness"



Inertia: Which one has more?

Demonstration #1

- Hypothesize: If I hold both objects behind my back, how can you tell which one is the heavy one and light one?
- · Prediction:
- Explanation:

Inertia in everyday life.... • Watch video • Observation: • Explanation:





