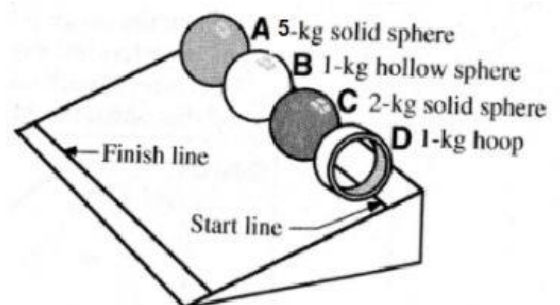


- Rank the object's inertia from greatest to least.
- Rank from LEAST to GREATEST, the object's by the amount of force the table is exerting on the object.
- Rank how much they resist being set into motion, from greatest to least.
- Assuming all 4 spheres are pushed at the same time and with the same amount of force. Rank the four objects from fastest (least time) down the ramp to slowest.



- Which of these is NOT an example of inertia?
 - A satellite rotating in outer space will continue to spin at roughly the same rate
 - A construction worker pushes a metal box and notices it is harder make the box start moving than it is to push it at a constant velocity
 - A passenger is thrown forward when his car collides with a wall
 - The force a hammer exerts on a nail is the same as the force the nail exerts on the hammer
- In the absence of an external force, a moving object will
 - Stop immediately
 - Slow down and eventually come to a stop
 - Go faster and faster
 - Move with constant velocity
- What is Newton's First Law known as? The Law of
 - Friction
 - Inertia
 - Mass
 - Gravity
- What two factors do you use to describe a force?
 - speed and mass
 - motion and direction

- b. strength and direction
- d. distance and time

9. Which type of force(s) will cause a change in an object's motion?

- a. zero net force
- c. unbalanced forces
- b. Gravity
- d. balanced forces

10. What can a force do?

- a. stop a motion
- c. change the direction of the motion
- b. start a motion
- d. All of the above