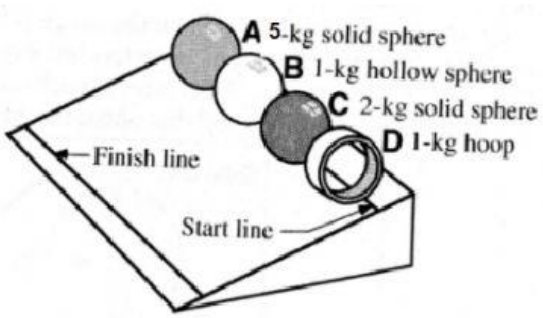


1. Rank the object's inertia from greatest to least.

2. Rank from LEAST to GREATEST, the object's by the amount of force the table is exerting on the object.

3. Rank how much they resist being set into motion, from greatest to least.

4. 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.



5. Which of these is NOT an example of inertia?

a. A satellite rotating in outer space will continue to spin at roughly the same rate
b. 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
c. A passenger is thrown forward when his car collides with a wall
d. The force a hammer exerts on a nail is the same as the force the nail exerts on the hammer

6. In the absence of an external force, a moving object will
   a. Stop immediately
   b. Slow down and eventually come to a stop
   c. Go faster and faster
   d. Move with constant velocity

7. What is Newton's First Law known as? The Law of
   a. Friction b. Inertia c. Mass d. Gravity

8. What two factors do you use to describe a force?
   a. speed and mass c. motion and direction

LIVEWORKSHEETS

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

LIVEWORKSHEETS