

Topic Newton's First Law of Motion

Worksheet #2 Inertia (Recommended for 1st – 4th grade)

The Principle or **Law of Inertia** states: an object at rest (staying still) tends to remain at rest; an object moving at a constant velocity (similar to speed) tends to keep moving at that velocity (speed), unless acted upon by an outside force.

After viewing the short video, answer the following questions.

1. Which bottle was more stable when the paper was pulled out from between the bottle – the heavy bottle or the light bottle?

Why?

2. In the penny experiment, if quarters were used instead of the pennies, do you think they would have also remained in place? Why?

3. In all the experiments, if sandpaper was used instead of the plain white paper, would the upside down bottle and pennies remain in their place or would they have been pulled along with the sandpaper? Explain
