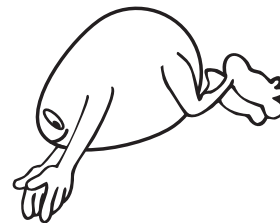


Diving Eggs Inertia Challenge Worksheet

Discussion Questions

1. Draw the setup.



2. Briefly describe the sequence of events in the demonstration.

3. State Newton's first law of motion.

4. What is inertia? How are mass and inertia related?

5. Why is Newton's first law of motion referred to as the law of inertia?

6. *a.* What balanced forces were acting on the eggs before they fell?

b. Was a horizontal force applied to the eggs?

c. Explain why the eggs dropped into the beakers in terms of Newton's first law of motion and inertia.