

Discover activity

Do NOT shoot the rubberband or throw marbles.

1. Stretch a rubber band around the middle of the cover of your textbook.
2. Place four marbles in a small square on the table (as best you can).
3. Place the book on the marbles so that the cover with the rubber band is on top.
4. Hold the book steady by placing one index finger on the binding.
5. Then push a straw against the rubber band with your other index finger.
6. Push the straw until the rubber band stretches about 10 cm.
7. Let go of both *the book and the straw* at the same time.

Think it over:

1. What did you observe about the motion of the book?
2. What did you observe about the motion of the straw?
3. Draw arrows to show the forces that occurred in this activity.