

ACTION --- REACTION

Materials

10 Marbles

Ruler

What To Do

1. Put the marbles in the groove of the ruler; put four of the marbles in the middle, put one of the marbles on the end of the groove, away from the other marbles.
2. Push the end marble gently [use little force] so that it bumps the other marbles.
3. Observe the marble(s) at the other end.
4. Push two marbles so that they bump into the marbles in the middle. What happens?
5. Experiment with the number of marbles you push and the number of marbles that move.