

For each situation, first draw a system schema. Next draw a diagram showing the individual forces acting on the bold object. Finally show the net force acting on the bold object.

1. **Someone** standing in an enclosed elevator that is starting to ascend
2. A **person** playing tug-of-war in a school gym, pulling leftward but accelerating rightward
3. An **arrow** shot straight up, after it has left the bow, but before it reaches its highest point
4. The same **arrow** on its way down
5. **Someone** standing in the enclosed cabin of a cruise ship that is traveling rightward but is slowing down due to an iceberg collision
6. **Someone** throwing a shotput to the left
7. A **rower** in a boat's galley, moving rightward at a constant speed while rowing the boat rightward