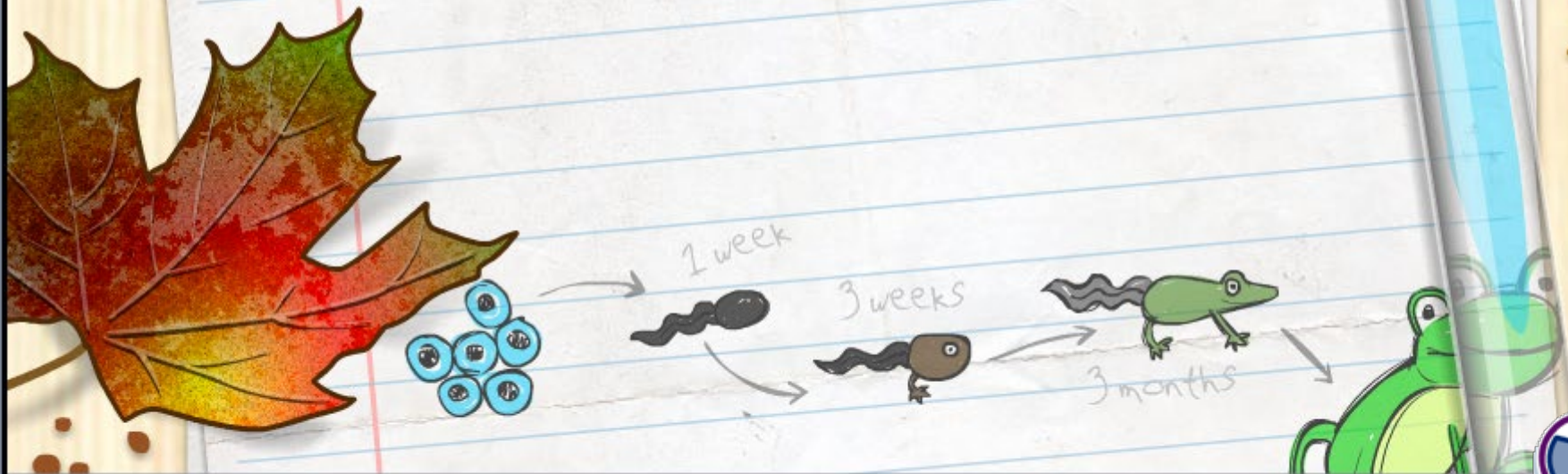


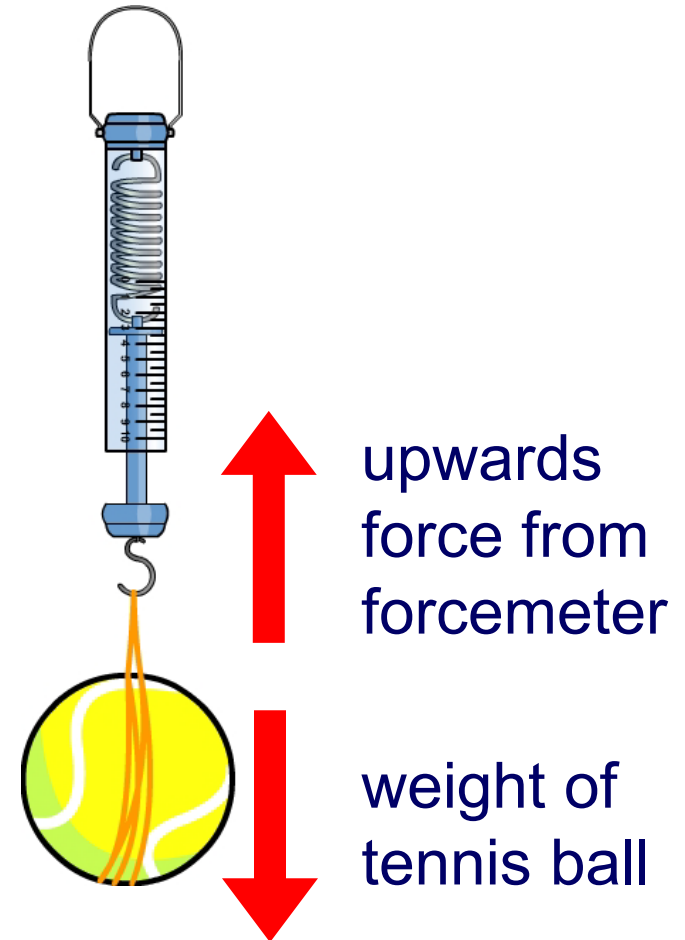
Forces



All forces have a size and act in one direction.

We use arrows to show the forces acting on an object.

- The **direction** of each arrow shows the **direction** of each force.
- The **size (or length)** of the arrow shows the **size (or strength)** of the force.



If an object is not moving, the forces acting must be balanced.



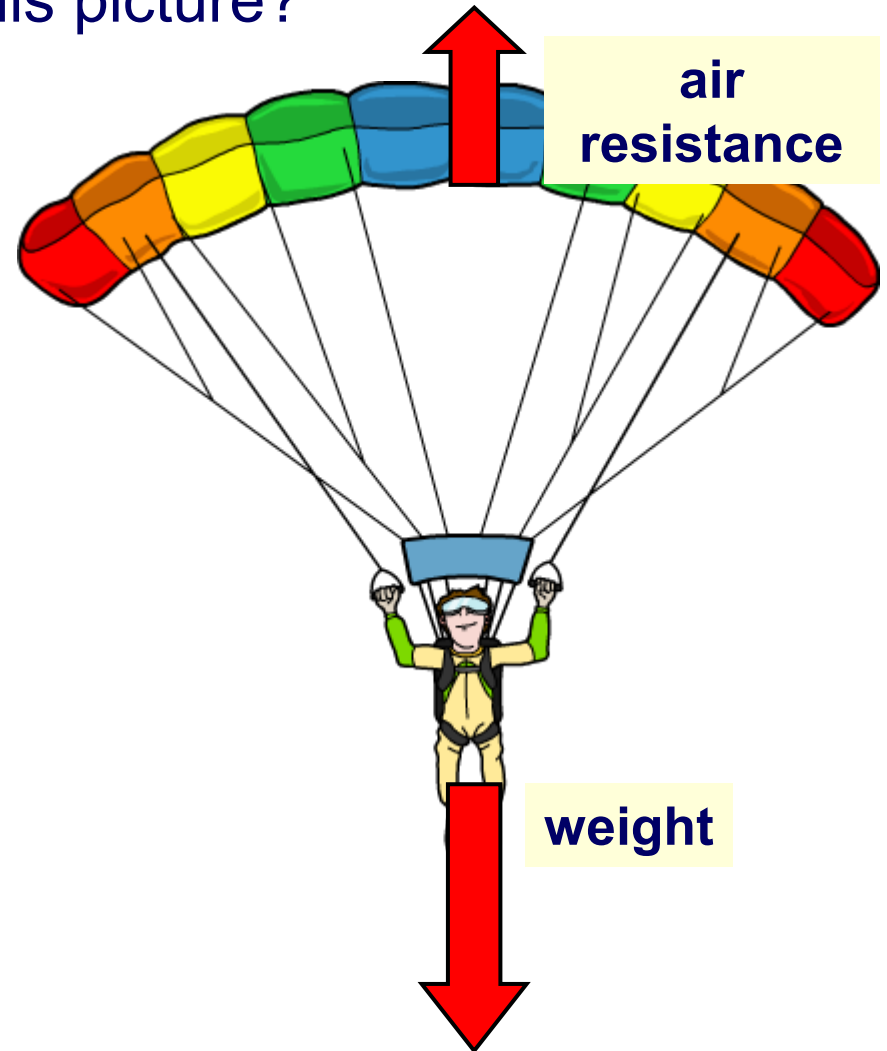
Forces



How are the forces acting in this picture?

Are they balanced?

As this skydiver falls toward the Earth, **air resistance** pushes in the opposite direction to his **weight** and slows his fall.



Forces



Forces



Forces



Forces



Forces



Forces



Forces

