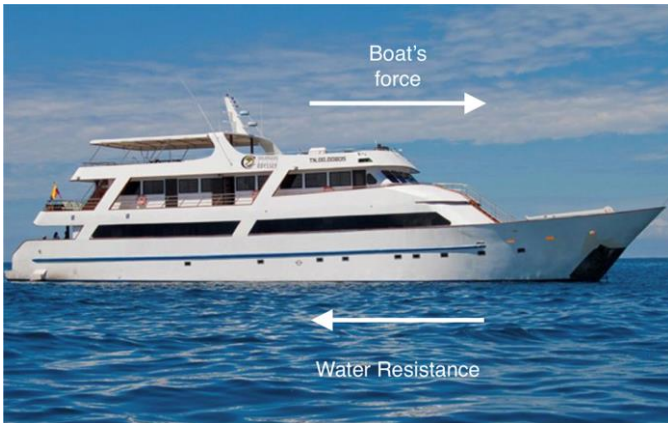


EFFECTS ON MOVEMENT

Vocabulary

Air resistance: A type of friction between air and another material – sometimes called drag. **Buoyancy:** The ability of an object to float. **Force:** Pulling or pushing effect that an object has on another object. **Friction:** A force that makes it difficult for things to move freely when they are touching each other. **Fulcrum:** The point where a lever turns – also called a pivot. **Gravity:** A force that causes things to drop to the ground. **Streamlined:** When an object is shaped to minimise the effects of air or water resistance. **Upthrust:** An upward push. **Water resistance:** A force that slows objects down that are moving in water.

Water Resistance



Air Resistance



Upthrust/Buoyancy



Forces in Action

Water resistance and air resistance are forms of friction. Friction is sometimes helpful and sometimes unhelpful. For example, air resistance is helpful as it stops a parachutist from hitting the ground at high speed. Friction on a bike chain can make the bike harder to pedal, which is unhelpful.

Mechanisms

