

Captain Andrews' Flight Experience...



...Lesson 1
FORCES

We are learning to:

- know that nothing can start moving, stop moving, change shape or direction, unless a force is acting on it;
- observe a variety of scenarios and discuss whether there are forces acting; and
- classify forces into categories.



Forces and the Effects of Forces

We are learning to classify forces.



What words would you use to describes a force?



PUSH

PULL



COLLISION

The three types of force

Identify each of the forces in the following pictures.



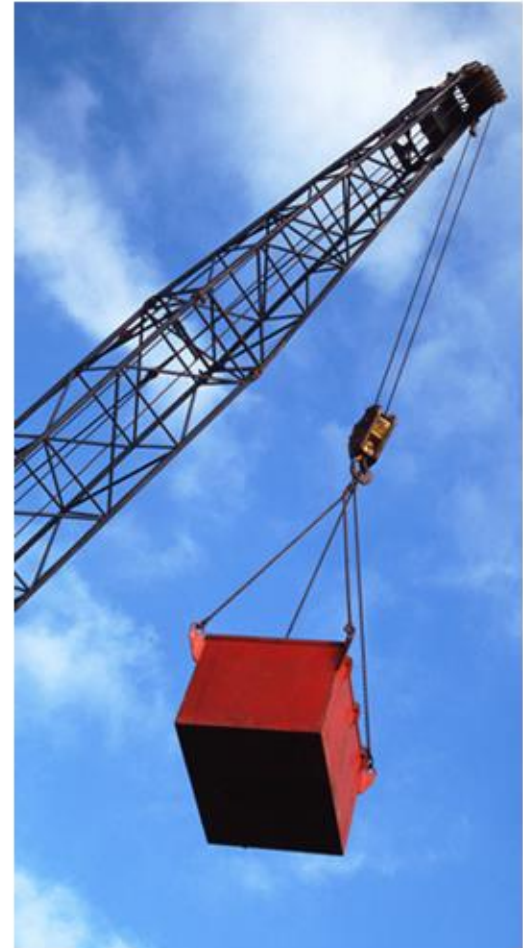
A **push** force



What's being pushed and what's doing the pushing?



A **pull** force



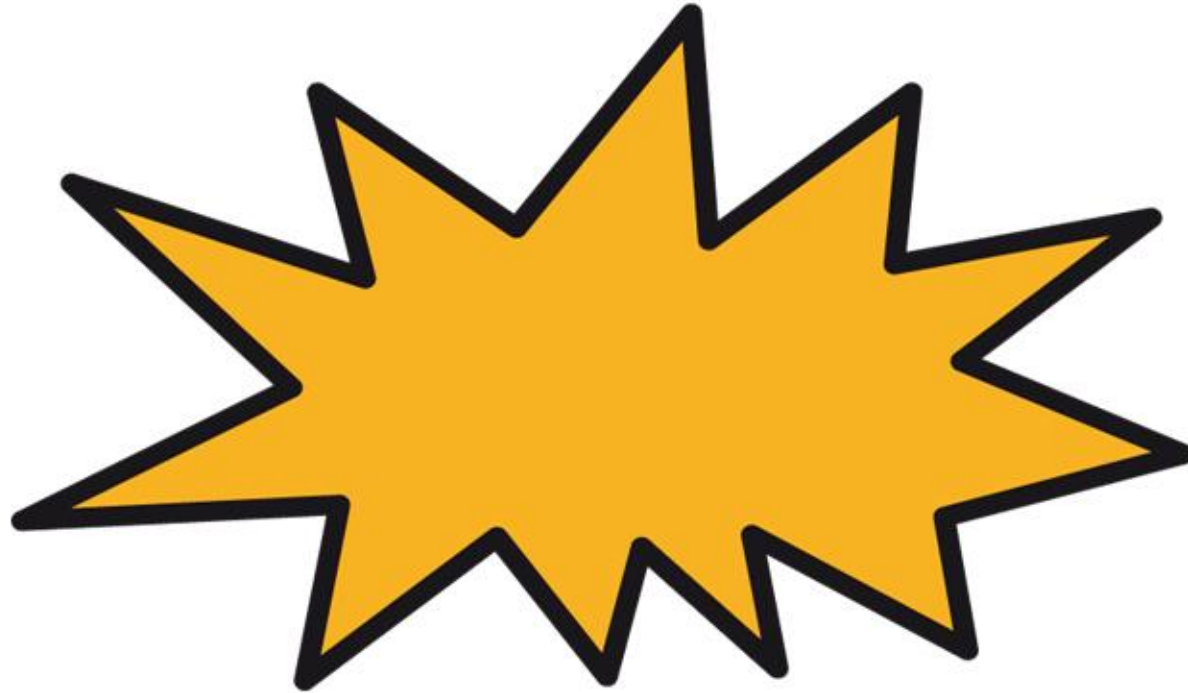
What's being pulled and what's doing the pulling?



A **collision** force



Here, two forces are meeting each other to cause a collision.

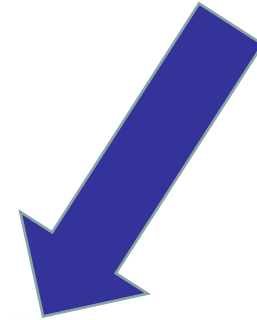


What do forces cause?

Forces make objects **move**



Force



**The ball
moves**



Forces make objects **stop**





Forces make objects **speed up**





Forces make objects **slow down**



Forces make objects **change direction**



Forces make objects **change shape**



Forces:

Are **pushes** or **pulls***
that cause an object to
Speed Up,
Slow Down or
Change Direction

* A push or pull can combine to cause a collision or
twist



Which force is working?
What change is happening?





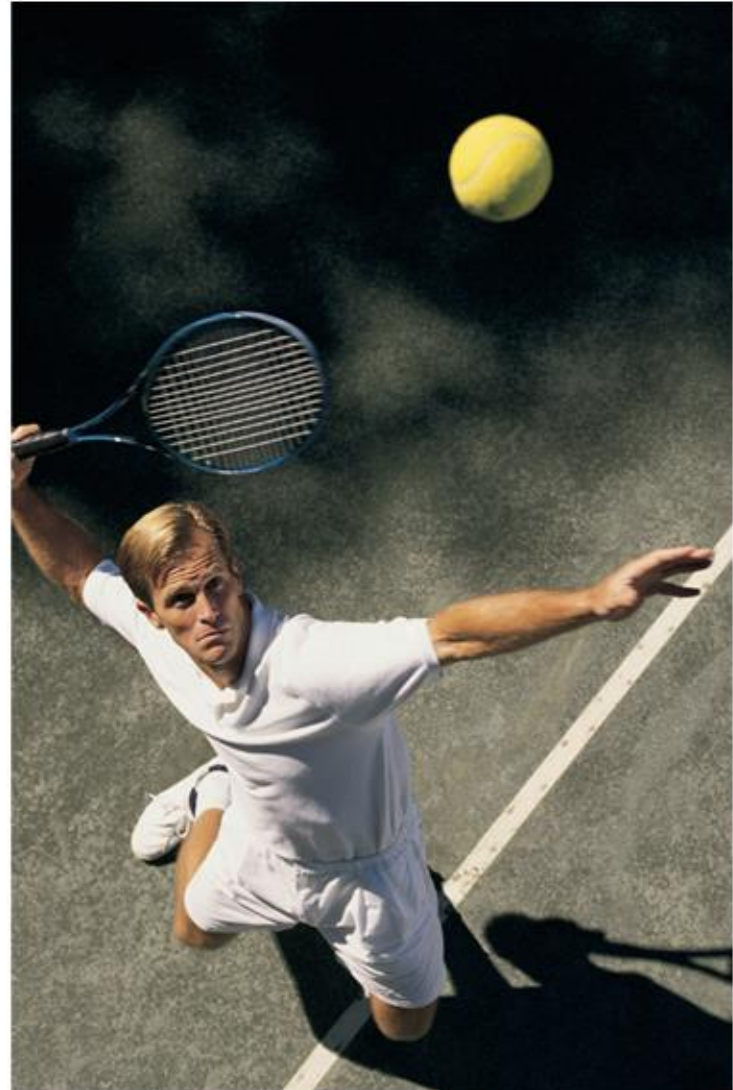












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