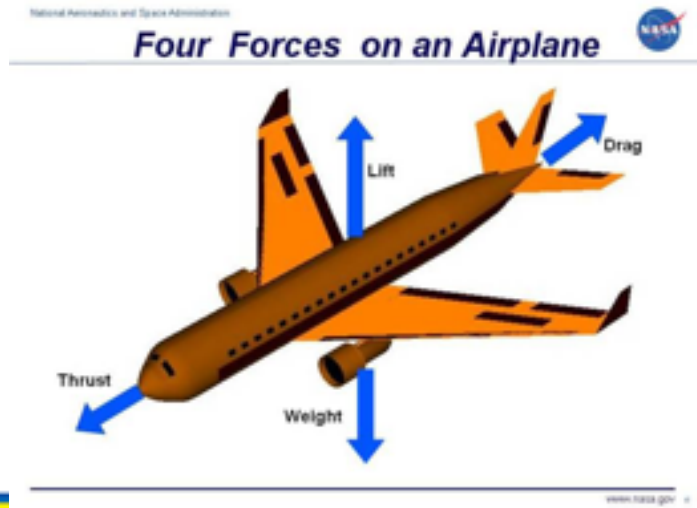
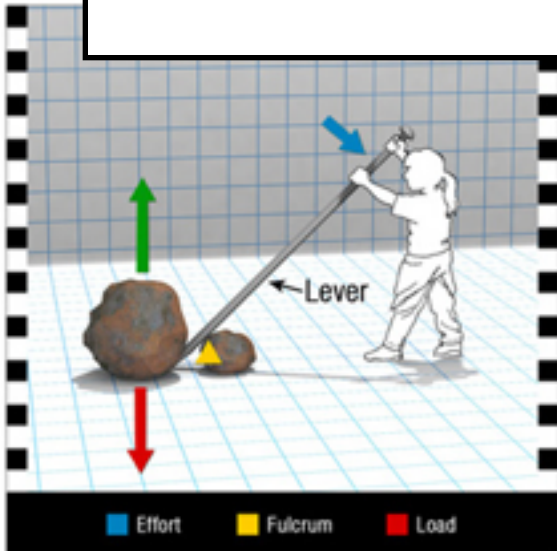


Your job is to draw a simple force diagram.  
I have included some examples.

You may do anything you want: a car driving, you jumping on a trampoline, water squirting out of a water bottle, a basketball bouncing off a backboard, you riding your bike, or another idea.

You may use a labeled diagram or a flow chart.

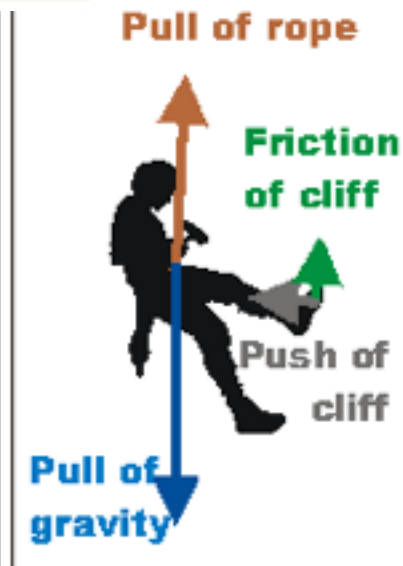
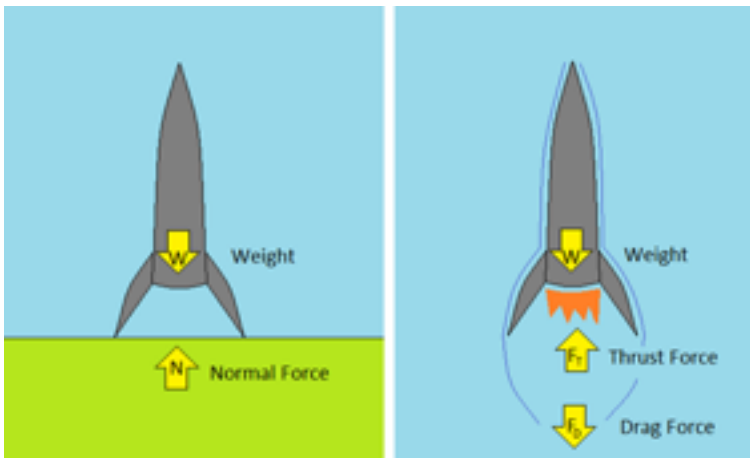


# HOW A TSUNAMI FORMS

**1** An underwater earthquake occurs; the seafloor snaps up, lifting a column of water above it. Gravity pulls the water back down, fanning waves outward.

**2** Individual waves in a tsunami are spread out: The distance between two wave peaks, called the *wavelength*, can be hundreds of kilometers long. Each wave's *amplitude*, or height, is rarely more than 0.9 meters (3 feet) at first.

**3** As waves meet the continental slope and shallower water, wavelength decreases and wave amplitude rises.



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