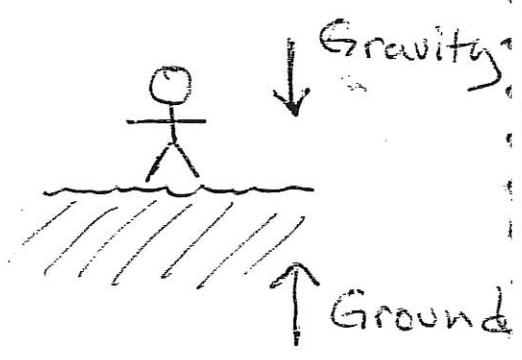
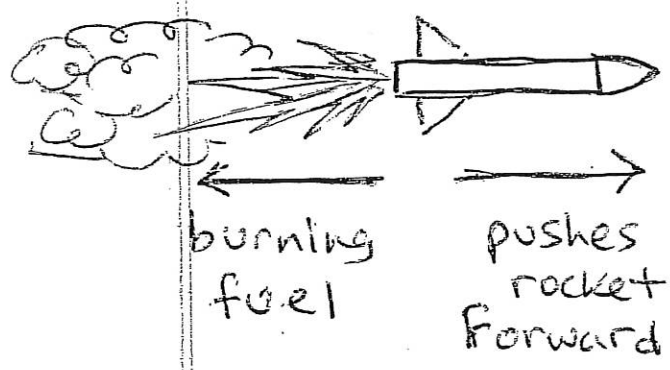


NEWTON'S 3rd Law (see pages 83-86)

To every action force, there is an equal and opposite reaction force.

Example: Gravity constantly pulls us down to the ground, and the ground pushes up on us with an equal and opposite force.

Example: A jet engine burns fuel pushing exhaust out the back, and the exhaust leaving pushes the rocket forward.



Conservation of Momentum

When objects collide, momentum is conserved, or it's the same before and after the collision.

momentum = mass x velocity
 = (kg) x (m/s) = kg·m/s

Units