

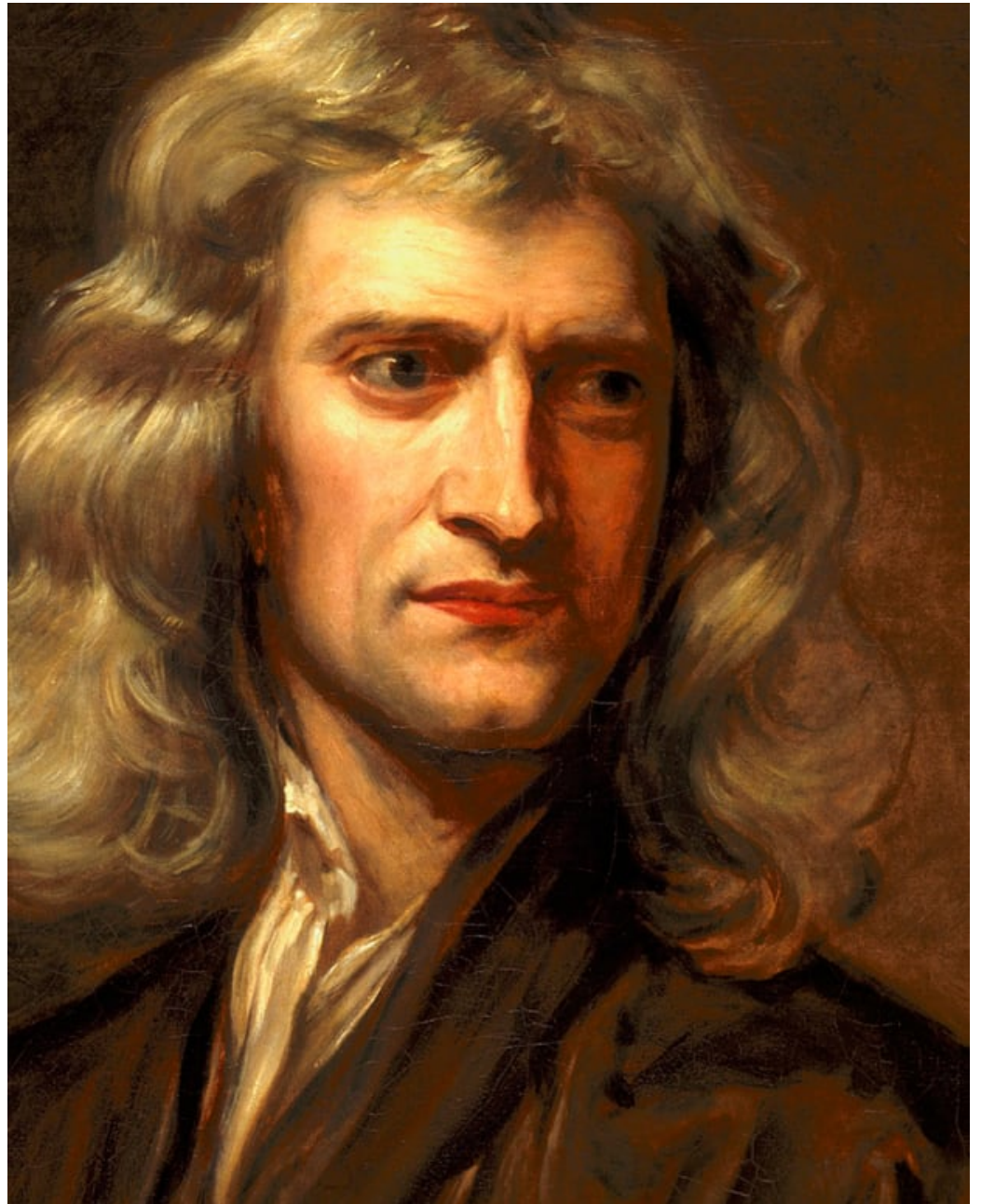
# Isaac Newton

## **Born:**

The same year Abel Tasman becomes the first European to discover the island Van Diemen's Land (later renamed Tasmania)

## **1642:**

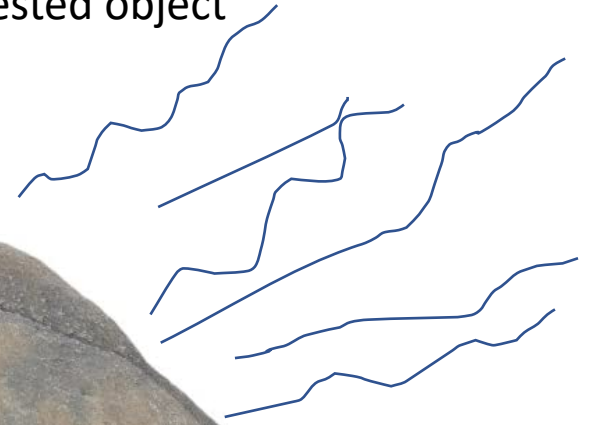
The year Tasmania (formerly known as Van Diemen's Land) was discovered by Abel Tasman



## Newton's 1st Law

A body in motion tends to remain in motion, a body at rest tends to remain at rest unless acted on by an outside force

This rock, from a Google search, is moving at a pretty good rate towards a rested object



This jar thingy is NOT moving

## Newton's 2nd Law

A force, acting on an object, will change its velocity by changing either its speed or its direction or both

Object  
(AKA: jar thingy)

Force  
(AKA: a rock)



Squirrel  
Feeder



## Newton's 3rd Law

Every force and action,  
there is an equal and  
opposite reaction.

Sump  
Pump

