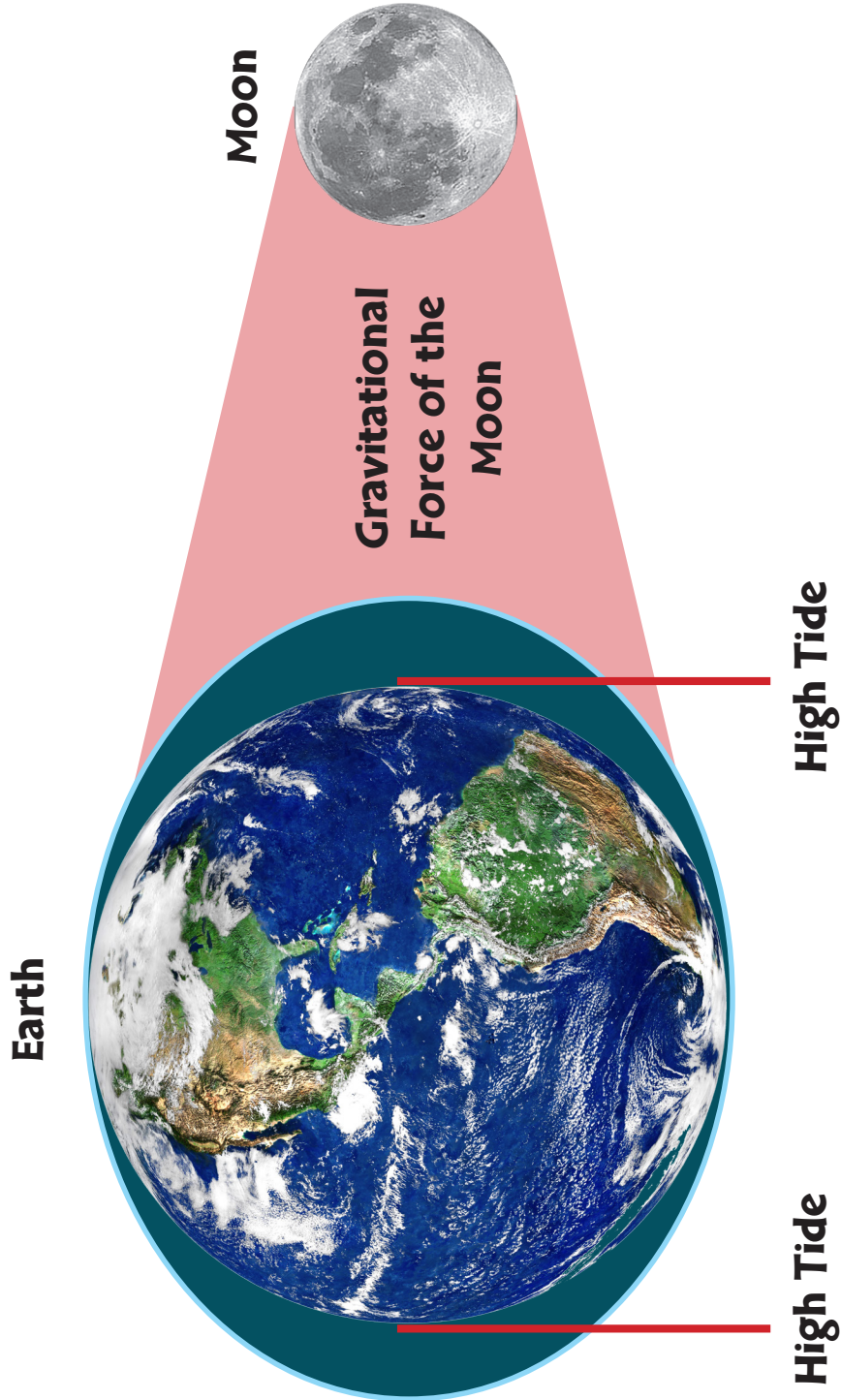


# Gravity and Tides



## Tides Caused by Gravitational Force of the Moon



# Coal Formation Timeline



**300 million  
years ago**



**Plants died  
in swamps.**

**100 million  
years ago**



**Plants were covered  
by water and dirt.**

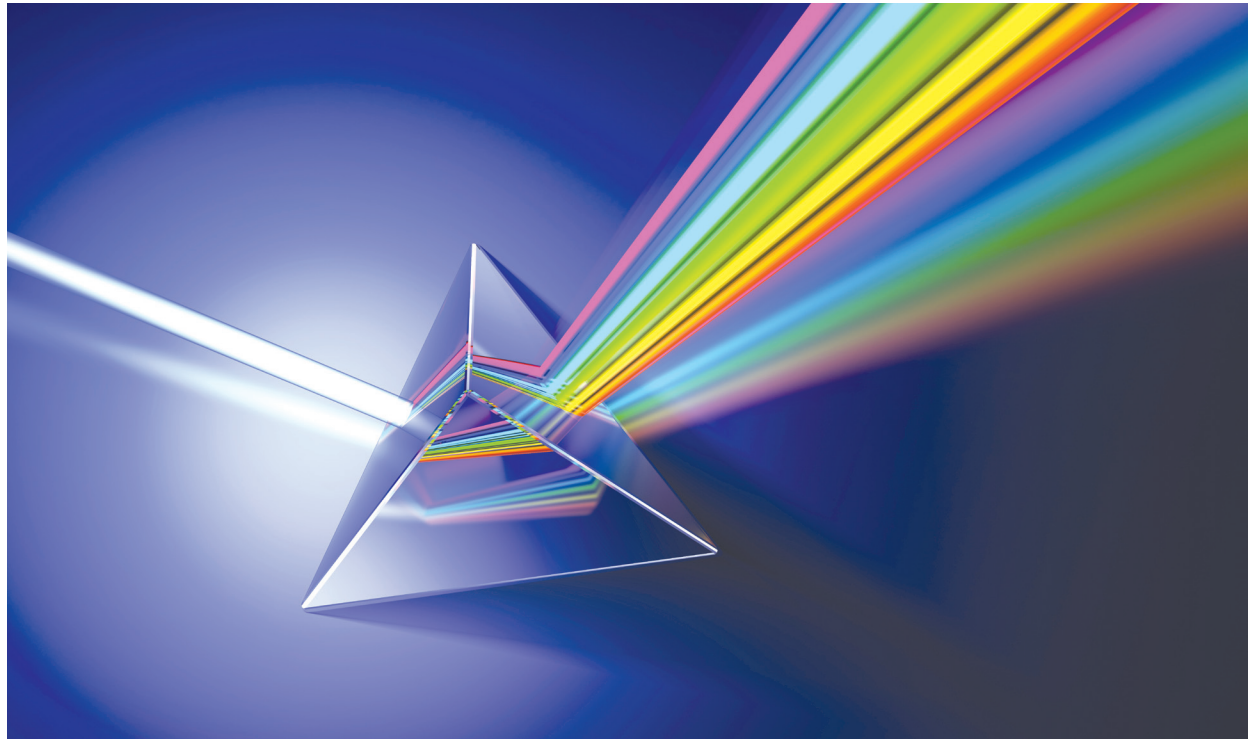


**Heat and weight  
turned plants into coal.**

**Over millions  
of years**



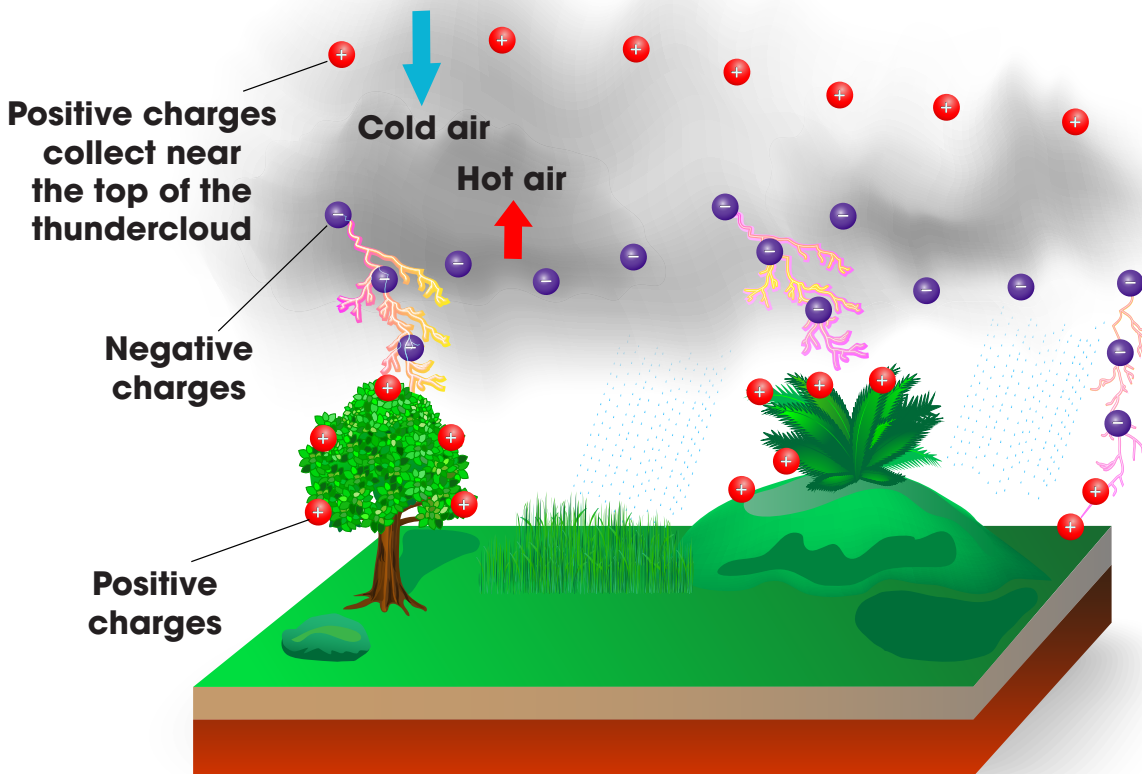
# Lights and Prisms



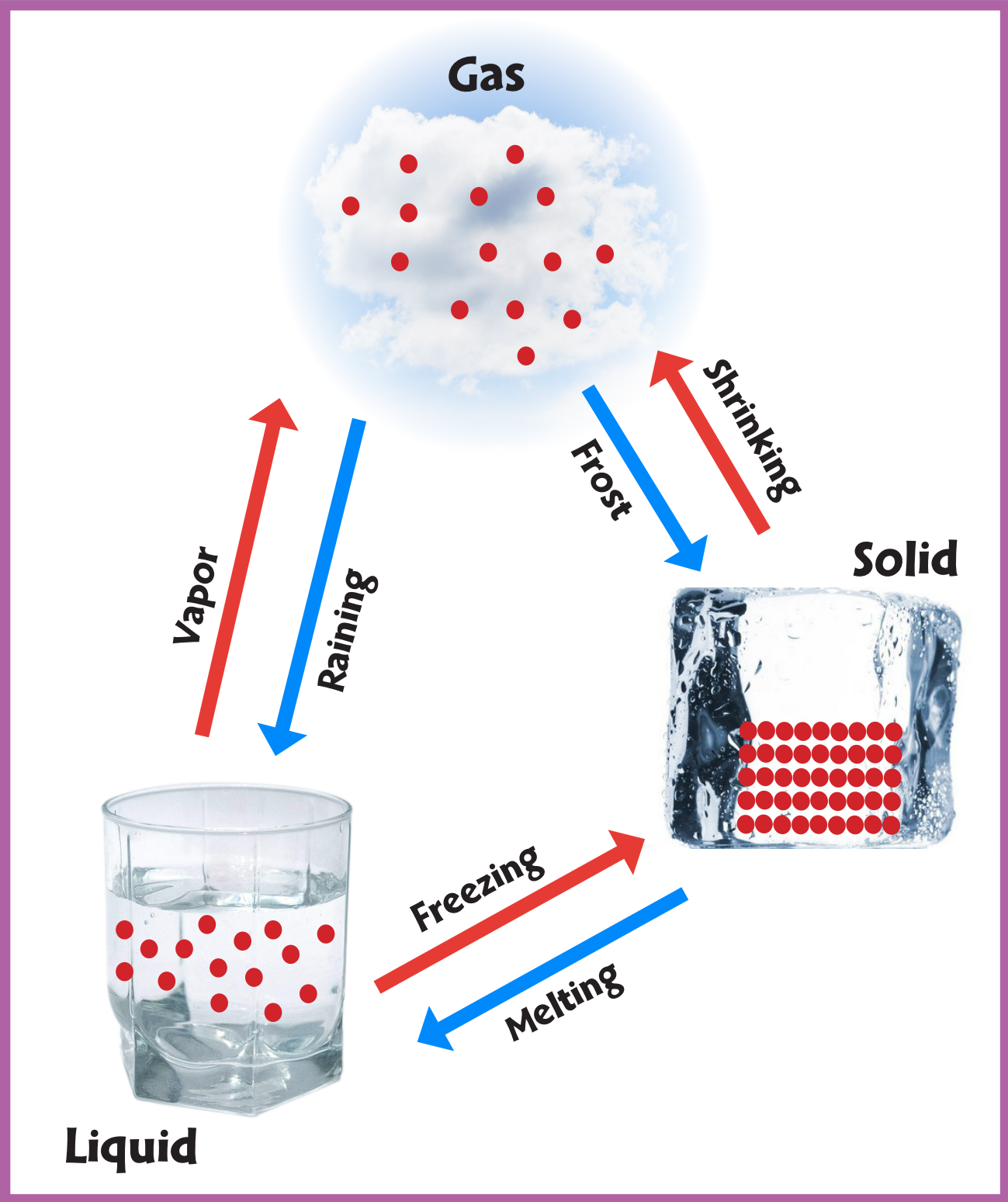
# How Lightning Works



## HOW LIGHTNING IS FORMED



# Solid, Liquid, Gas

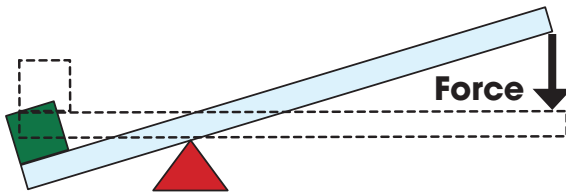




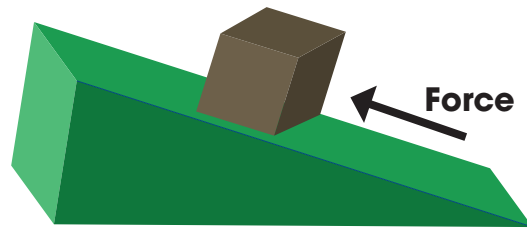
# The Six Simple Machines



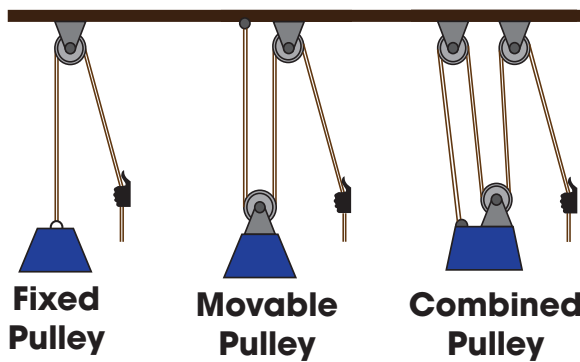
## LEVER



## INCLINED PLANE



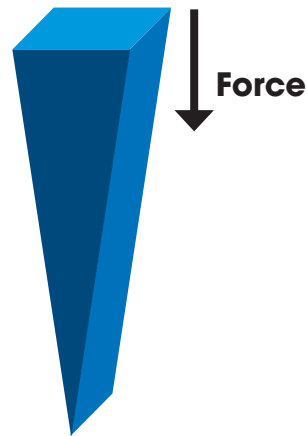
## PULLEYS



Fixed Pulley

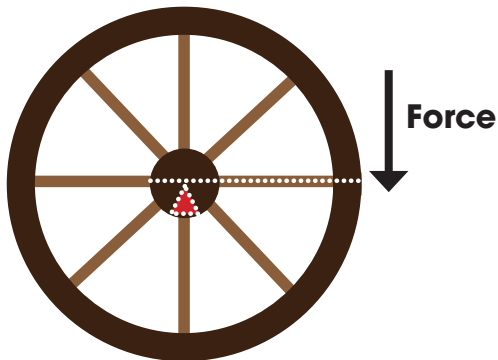
Movable Pulley

Combined Pulley



## WEDGE

## WHEEL and AXLE



## SCREW

**Ridges** →  
(Inclined plane wrapped around.)

