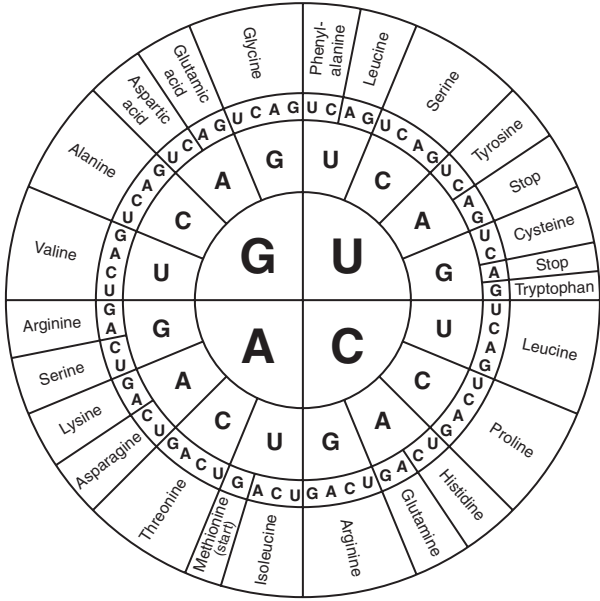


Genetic Code



Electromagnetic Spectrum

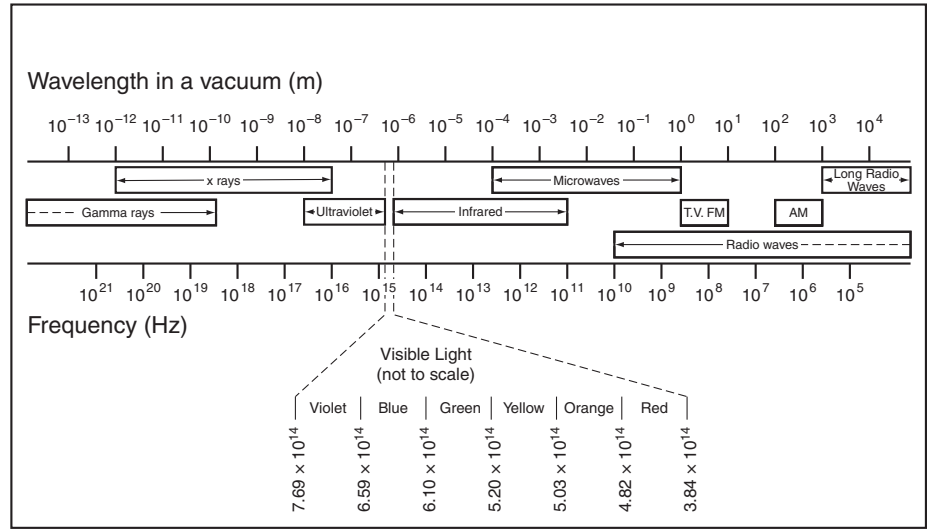
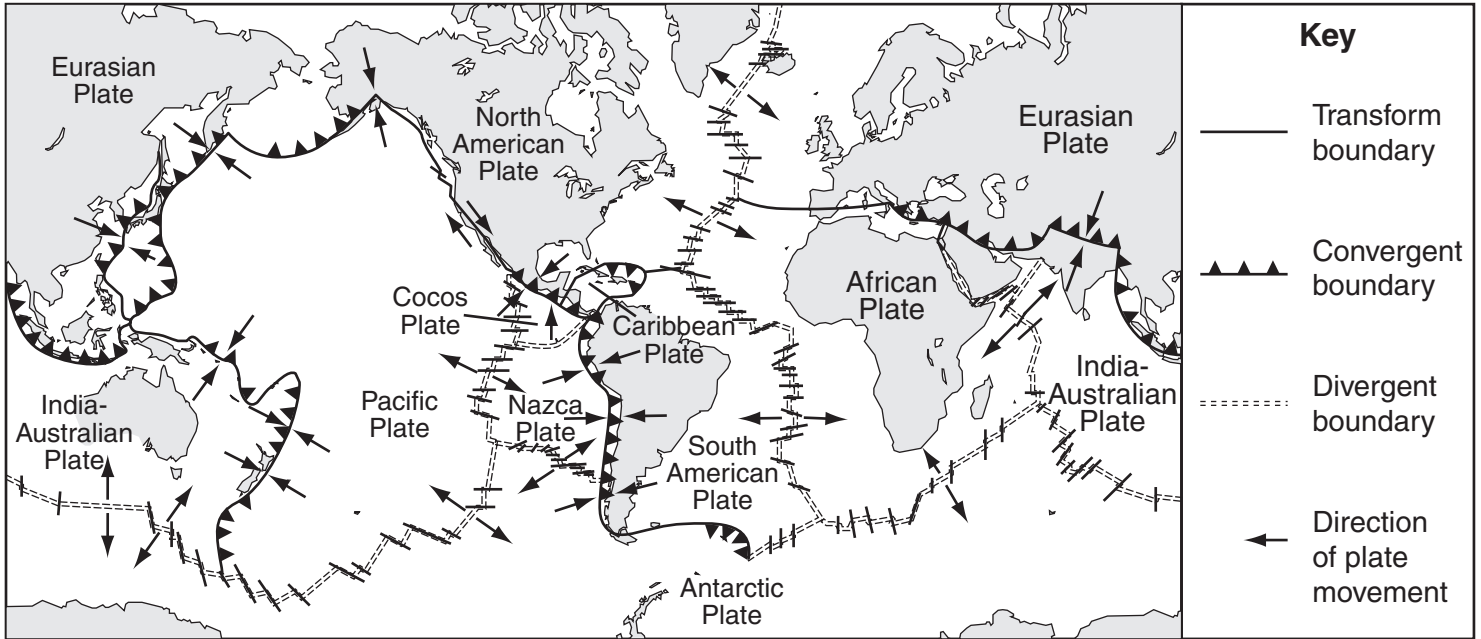


Plate Movements



Formulas

<p>Velocity</p> $v = \frac{x_2 - x_1}{t_2 - t_1} = \frac{\Delta x}{\Delta t}$	<p>v = velocity x = position (x_1 initial; x_2 final) Δx = change in position t = time (t_1 initial; t_2 final) Δt = change in time</p>	<p>Universal Gravitation</p> $F_{gravity} = G \frac{m_1 m_2}{d^2}$	<p>F = Force G = Universal Gravitational Constant ($6.67 \times 10^{-11} Nm^2/kg^2$) m_1 = mass of first object m_2 = mass of second object d = distance between center of m_1 and m_2</p>
<p>Acceleration</p> $a = \frac{v_2 - v_1}{t_2 - t_1} = \frac{\Delta v}{\Delta t}$	<p>a = acceleration v = velocity Δv = change in velocity t = time Δt = change in time</p>	<p>Momentum</p> $p = mv$	<p>p = momentum m = mass v = velocity</p>
<p>Constant Acceleration of Free-Falling Objects</p> $y = \frac{1}{2}gt^2$ $v = at$	<p>y = vertical distance traveled g = acceleration due to gravity ($10 m/s^2$) t = time v = velocity a = acceleration</p>	<p>Heat</p> $Q = mc(T_2 - T_1) = mc\Delta T$	<p>Q = heat transferred m = mass c = specific heat (water = $4 J/g \cdot ^\circ C$) T = temperature (T_1 initial; T_2 final) ΔT = change in temperature</p>
<p>Force</p> $F = ma$	<p>F = Force m = mass a = acceleration</p>	<p>Density</p> $D = \frac{m}{V}$	<p>D = density m = mass V = volume</p>

