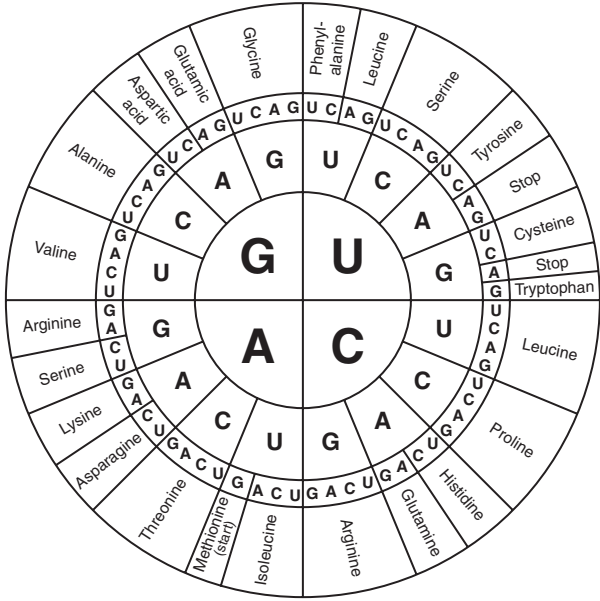


Genetic Code



Electromagnetic Spectrum

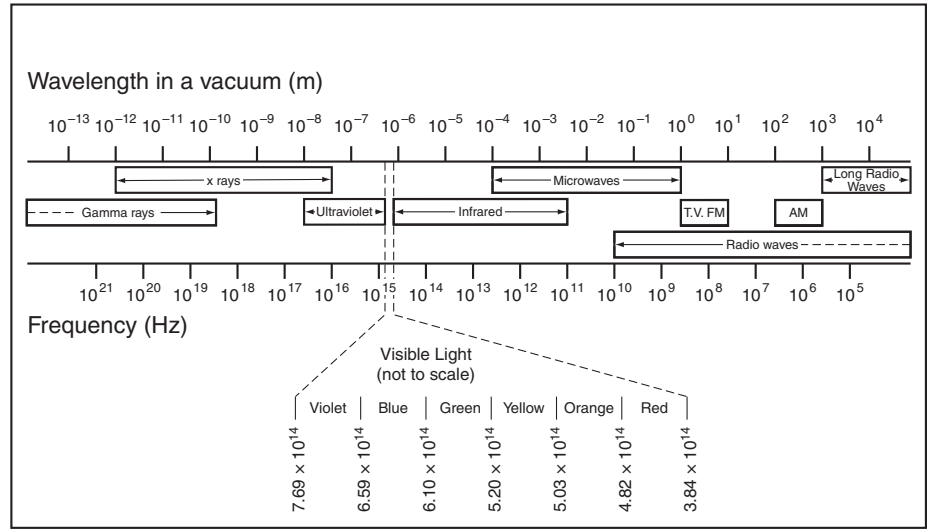
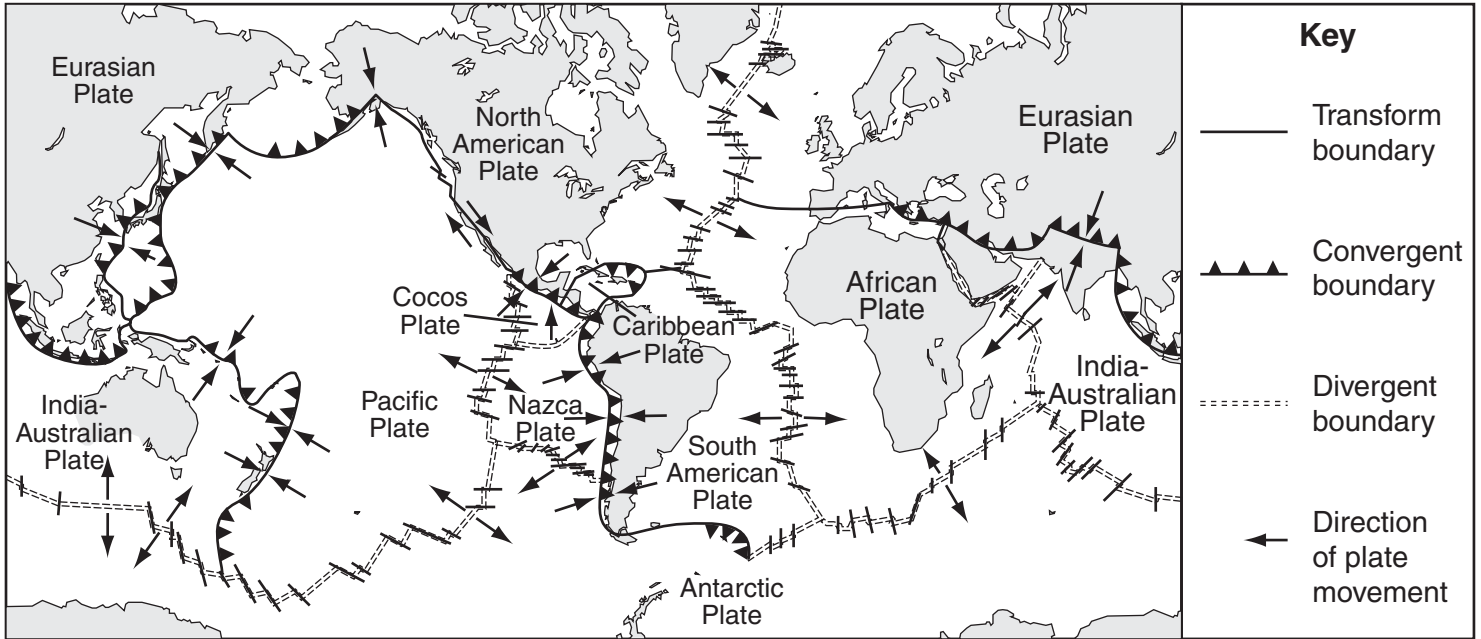


Plate Movements



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> $y = \frac{1}{2}gt^2$ <p>$v = at$</p> | <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> |

