Equations used in the Biology Papers

 (B1) Magnification = Image size / Actual size of object

% Change = (Change in value / Original value) x 100

Equations used in Chemistry Papers

% Change = (Change in value / Original value) x 100

(C8)

Rf value ( Chromatography) = Distance moved by substance / Distance moved by the solvent

(C6)

Mean rate of reaction = Quantity of reactant used / Time taken

Mean rate of reaction = Quantity of product formed / Time taken

(C3)

Moles = Mass / Mr

Concentration of solution = Mass of solute / Volume of solvent

Concentration of solution = Moles of solute / Volume of solvent

*(C3 Separate Science)*

*Volume of gas = (Mass of gas / Formula mass of gas) x 24*

*Atom economy = (Formula mass of the desired products / Total formula mass of ALL reactants) x 100*

*% yield = (mass of product made / maximum theoretical mass of product) x 100*