

Dose Calculation

[DEPTH OF BIOLOGY]

- Based On Body Weight

- Clark's Formula \Rightarrow

$$\left[\frac{\text{Wt. in lb (Pound)}}{150} \times \text{Adult dose} \right]$$

[DEPTH OF BIOLOGY]

OR

$$\left[\frac{\text{Wt. in Kg}}{70} \times \text{Adult dose} \right]$$

eg. \Rightarrow 35Kg
 Ad. = 500 mg
 $\Rightarrow \frac{35}{70} \times 500$
 = 250 mg

- Based On Age

- Young's Formula \Rightarrow

[DEPTH OF BIOLOGY]

$$\left[\frac{\text{Age in year}}{\text{Age in year} + 12} \times \text{Adult dose} \right] \quad \begin{array}{l} 4-12 \\ \text{years} \\ \text{old} \end{array}$$

- Dilling Formula \Rightarrow

$$\left[\frac{\text{Age in Year} \times \text{Adult dose}}{20} \right] \text{ 20 year old}$$

[DEPTH OF BIOLOGY]

- Fried Formula \Rightarrow

$$\Rightarrow \left[\frac{\text{Age in Month} \times \text{Adult dose}}{150} \right] \text{ INFANTS}$$

- Cowling Formula \Rightarrow

$$\left[\frac{\text{Age in Year} + 1 \times \text{Adult dose}}{24} \right]$$

- Bastedo Formula \Rightarrow

[DEPTH OF BIOLOGY]

$$\left[\frac{\text{Age in Year} + 3 \times \text{Adult dose}}{30} \right]$$

- Based On Body Surface Area

$$\Rightarrow \frac{\text{Based On Body Surface Area (child)}}{1.73} \times \text{Adult dose}$$

Date | _____

Page | _____

⇒ Body Surface Area

$$0.425 \log nW + 0.725 \log nH + 1.8564$$

↓
Wt. of
child in Kg

↓
Height
in cm