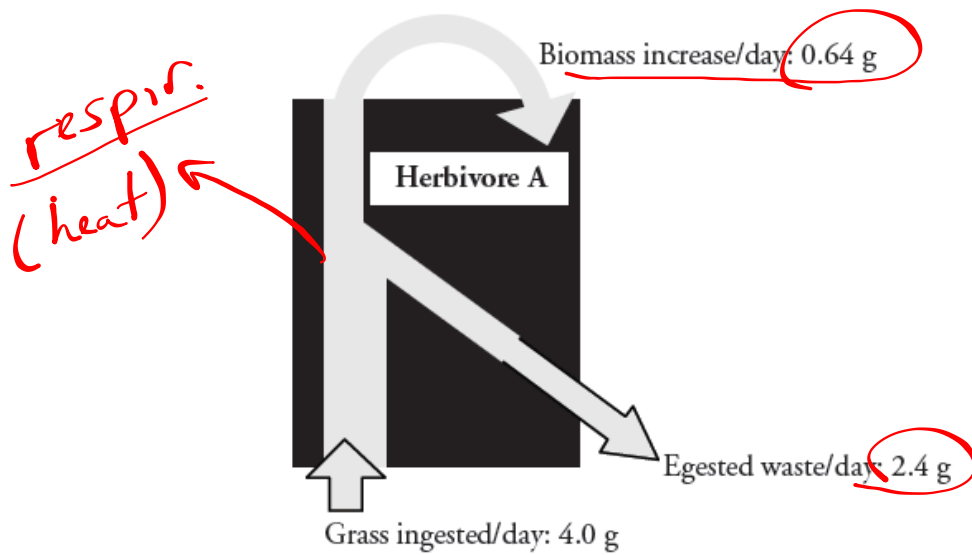
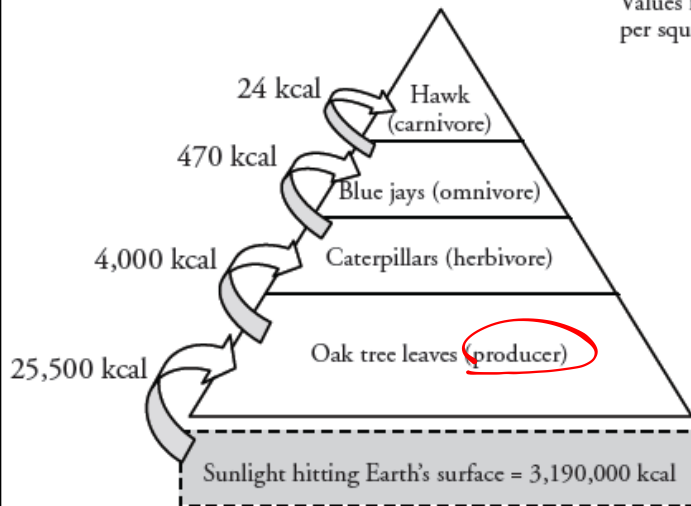


### Model 1 – Food Conversion in a Herbivore



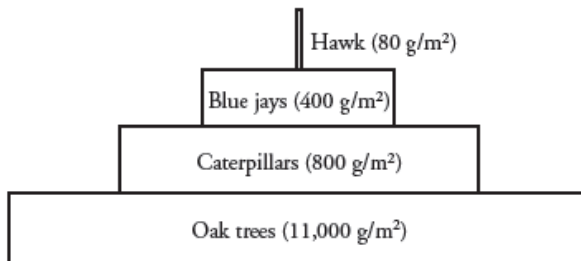
## Pyramid of Energy

Values in the pyramid are per square meter per year.

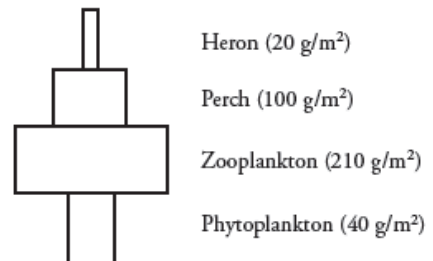


### Model 3 – Pyramid of Biomass

Pyramid X

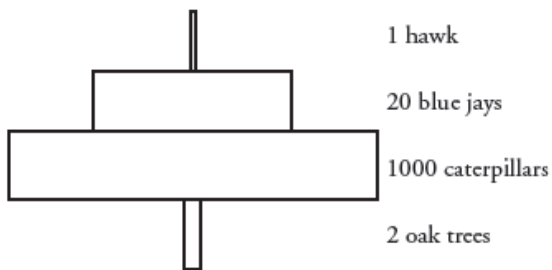


Pyramid Y

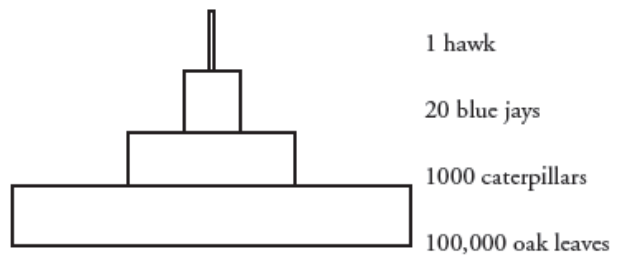


## Model 2 – Pyramid of Numbers

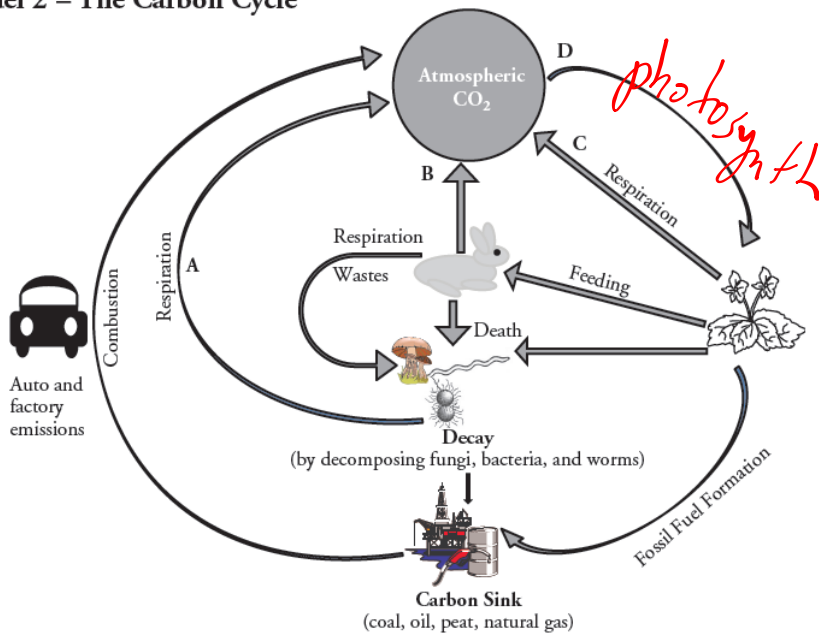
Pyramid A



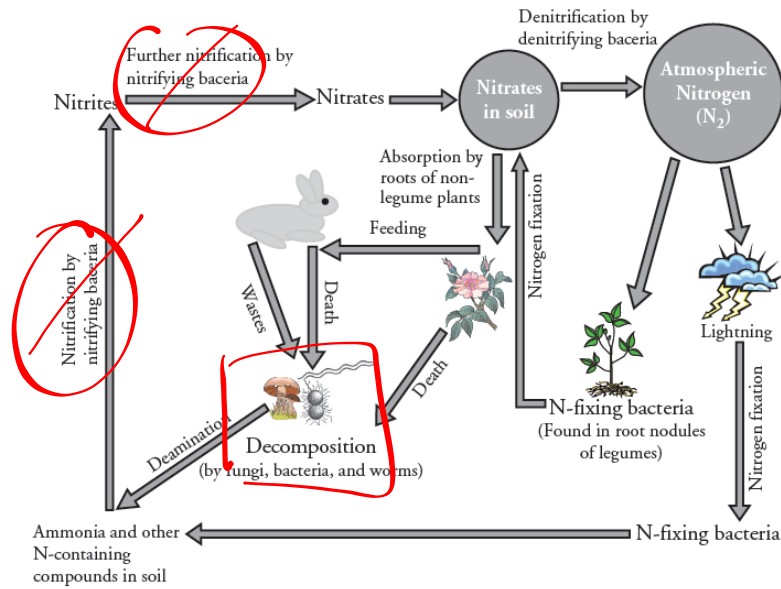
Pyramid B



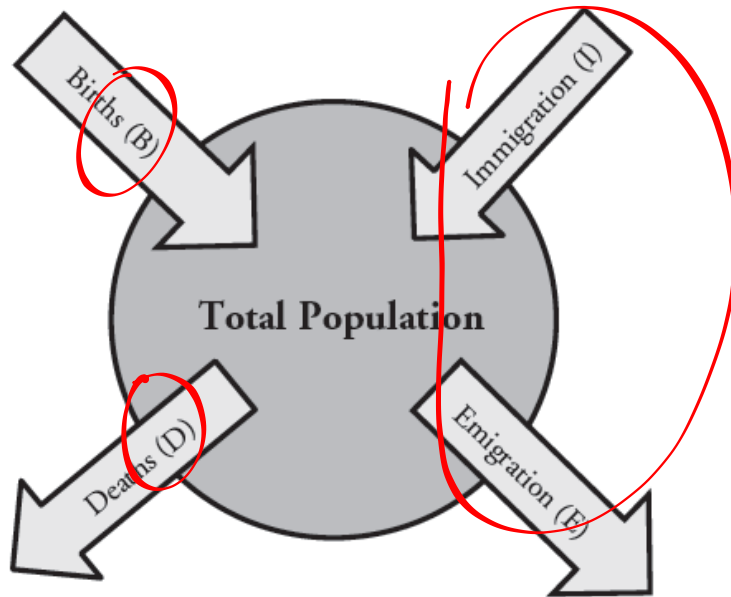
### Model 2 – The Carbon Cycle

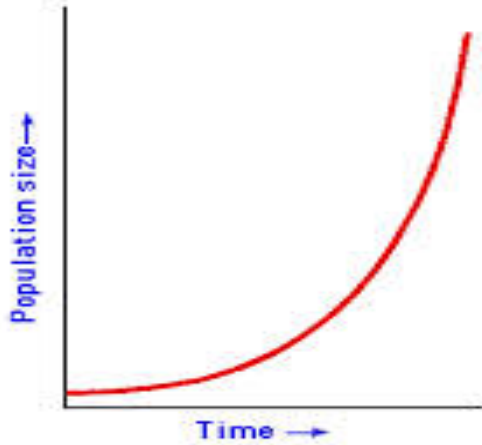


### Model 3 – The Nitrogen Cycle



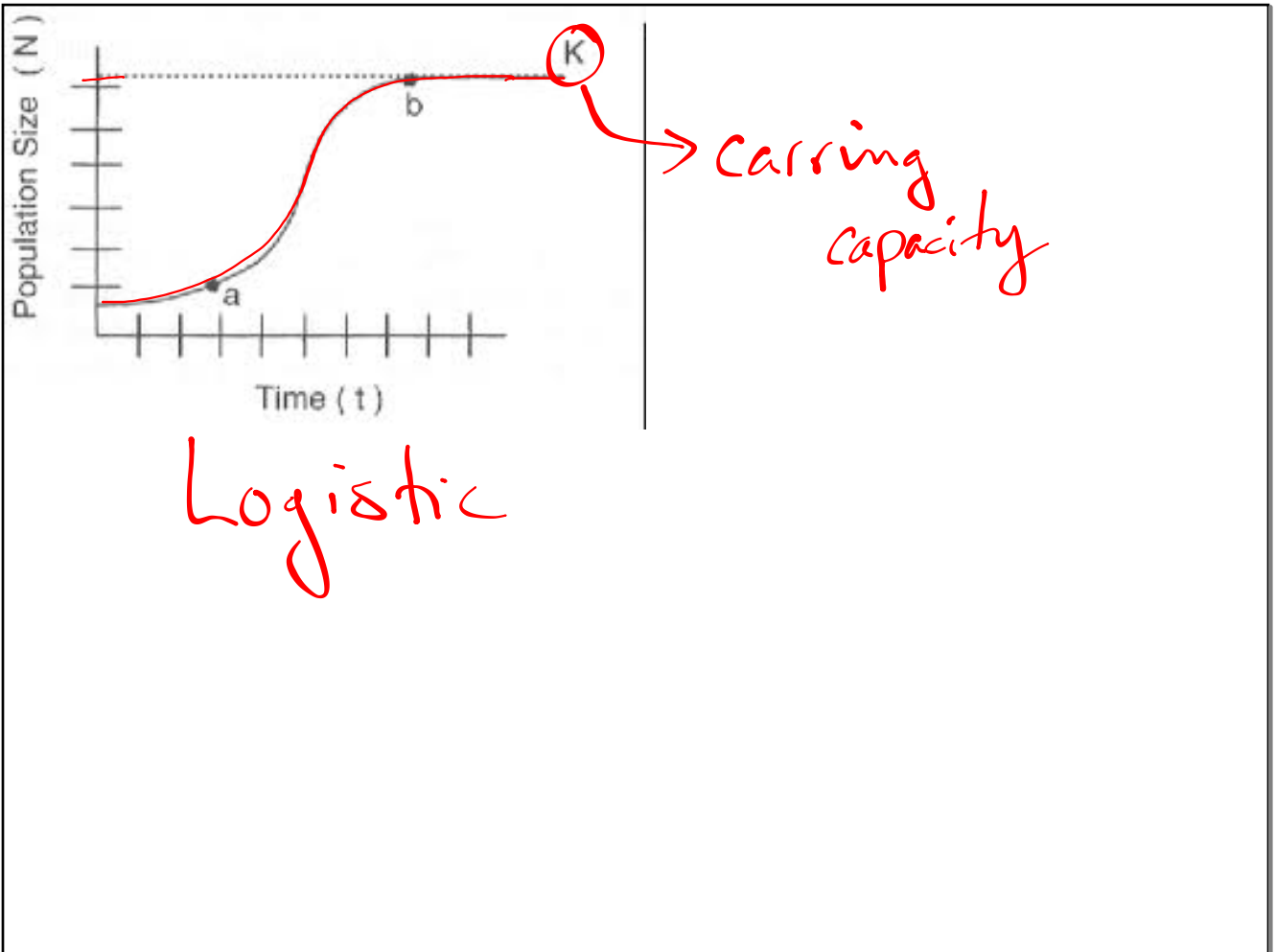
### Model 1 – Population Growth





Exponential





Model 3 - Growth Curves

Diagram A—Exponential Growth Curve

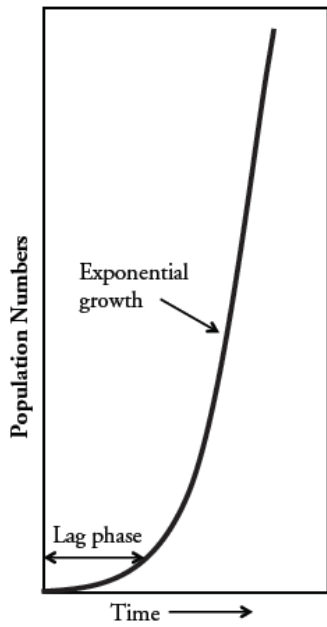
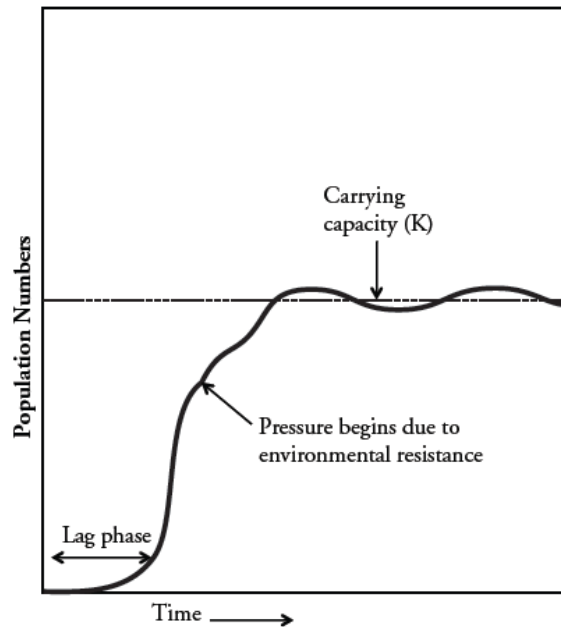
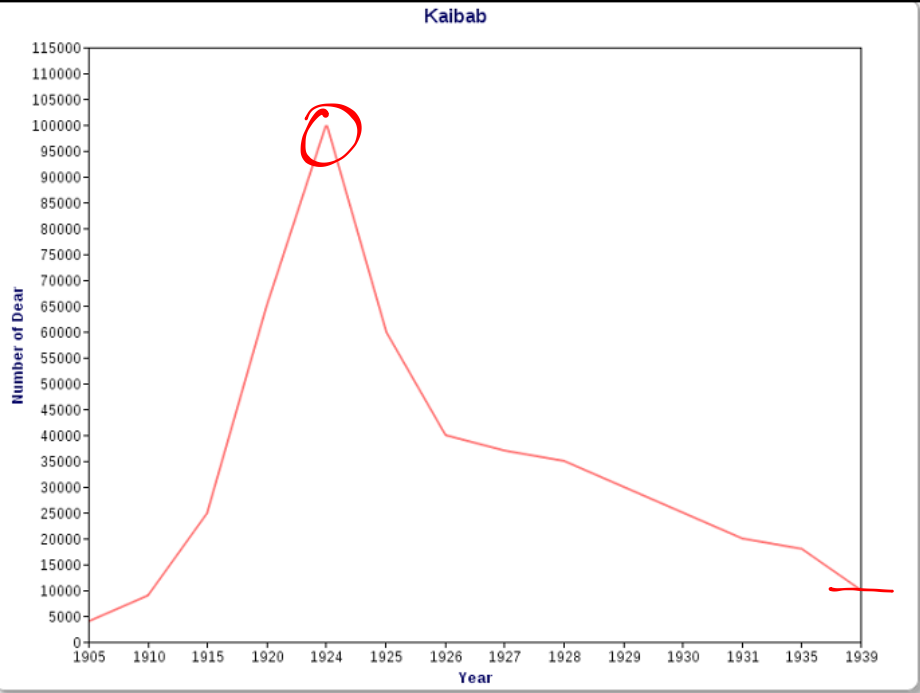
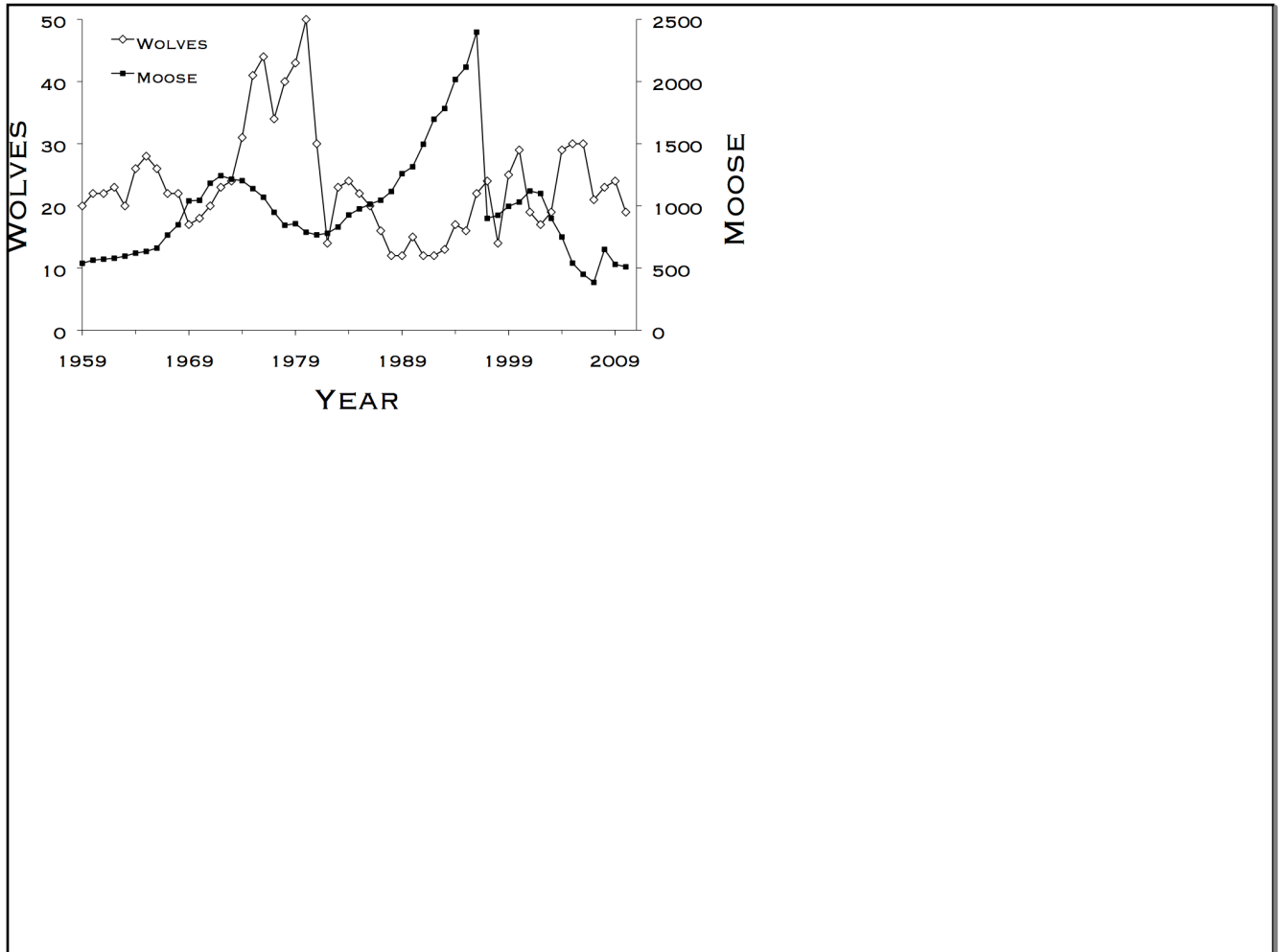


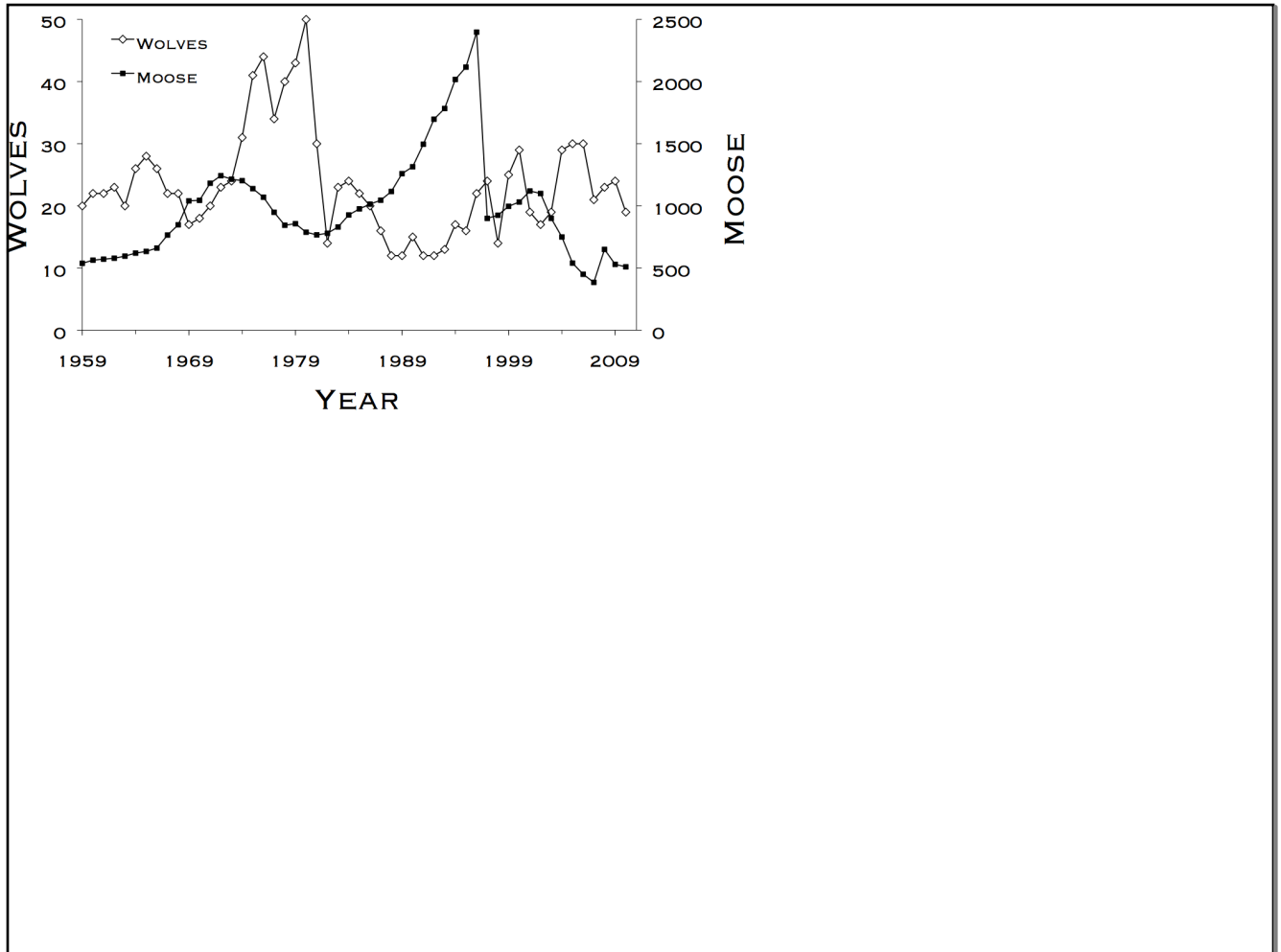
Diagram B—Logistic Growth Curve

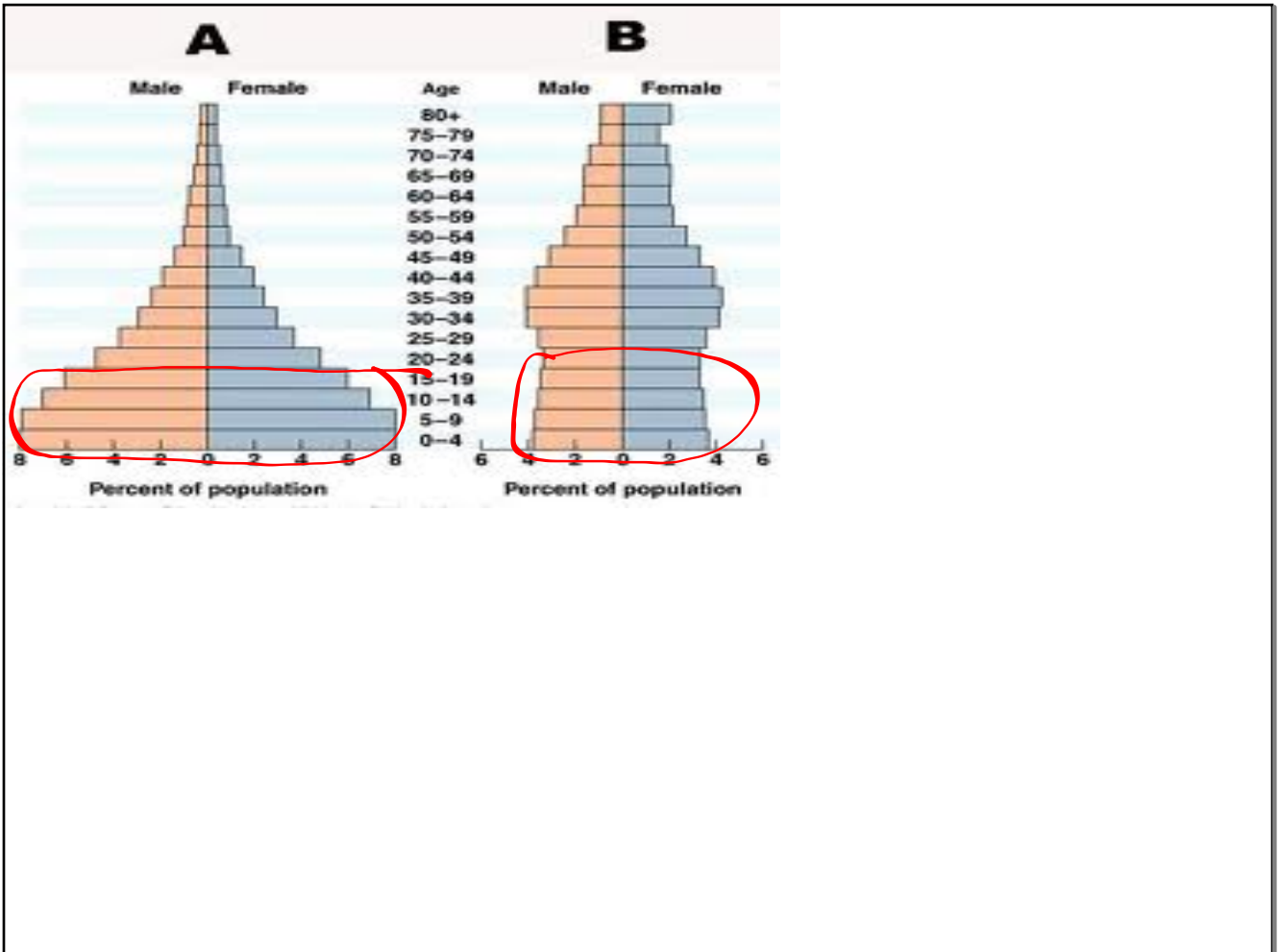


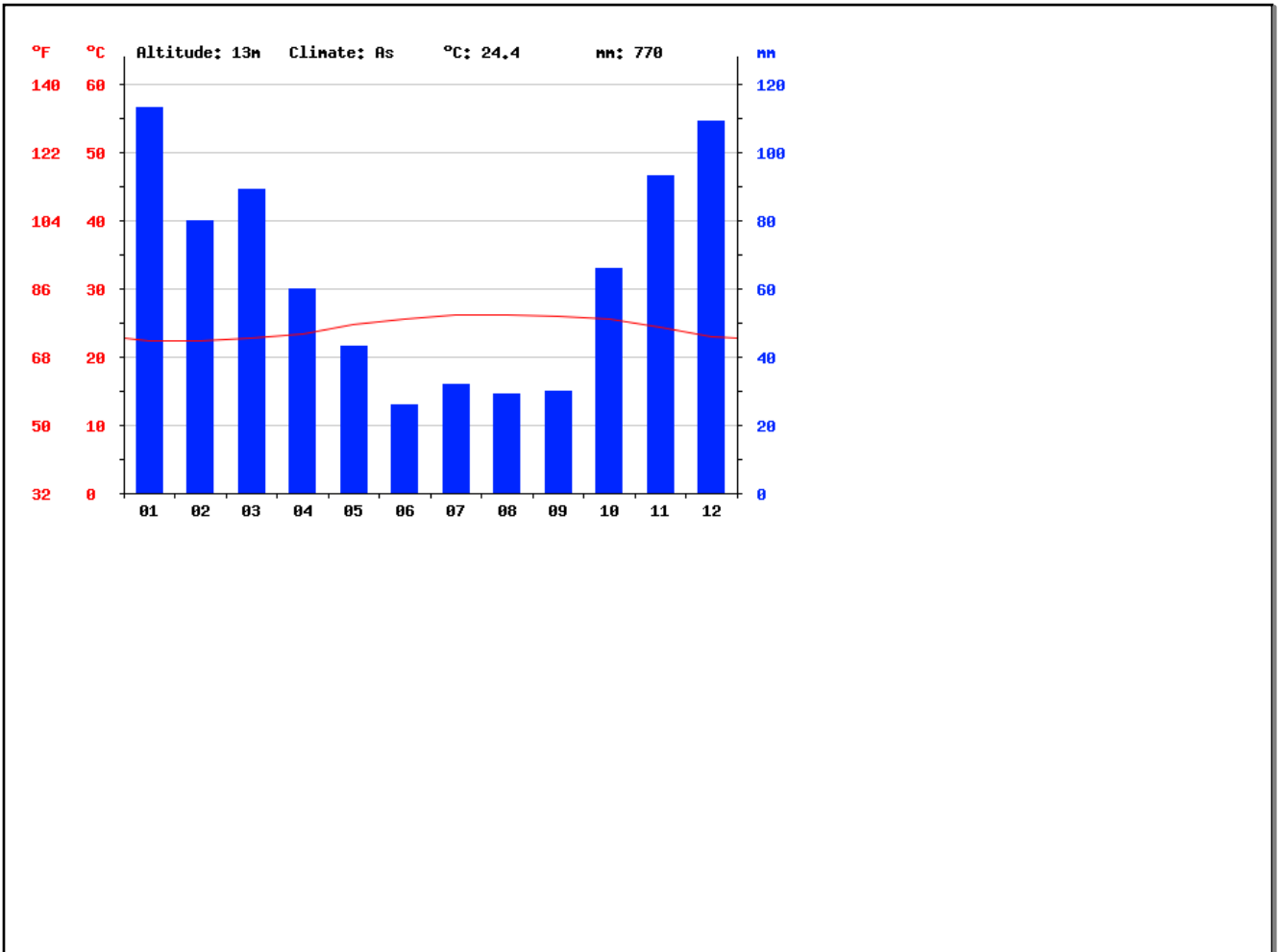


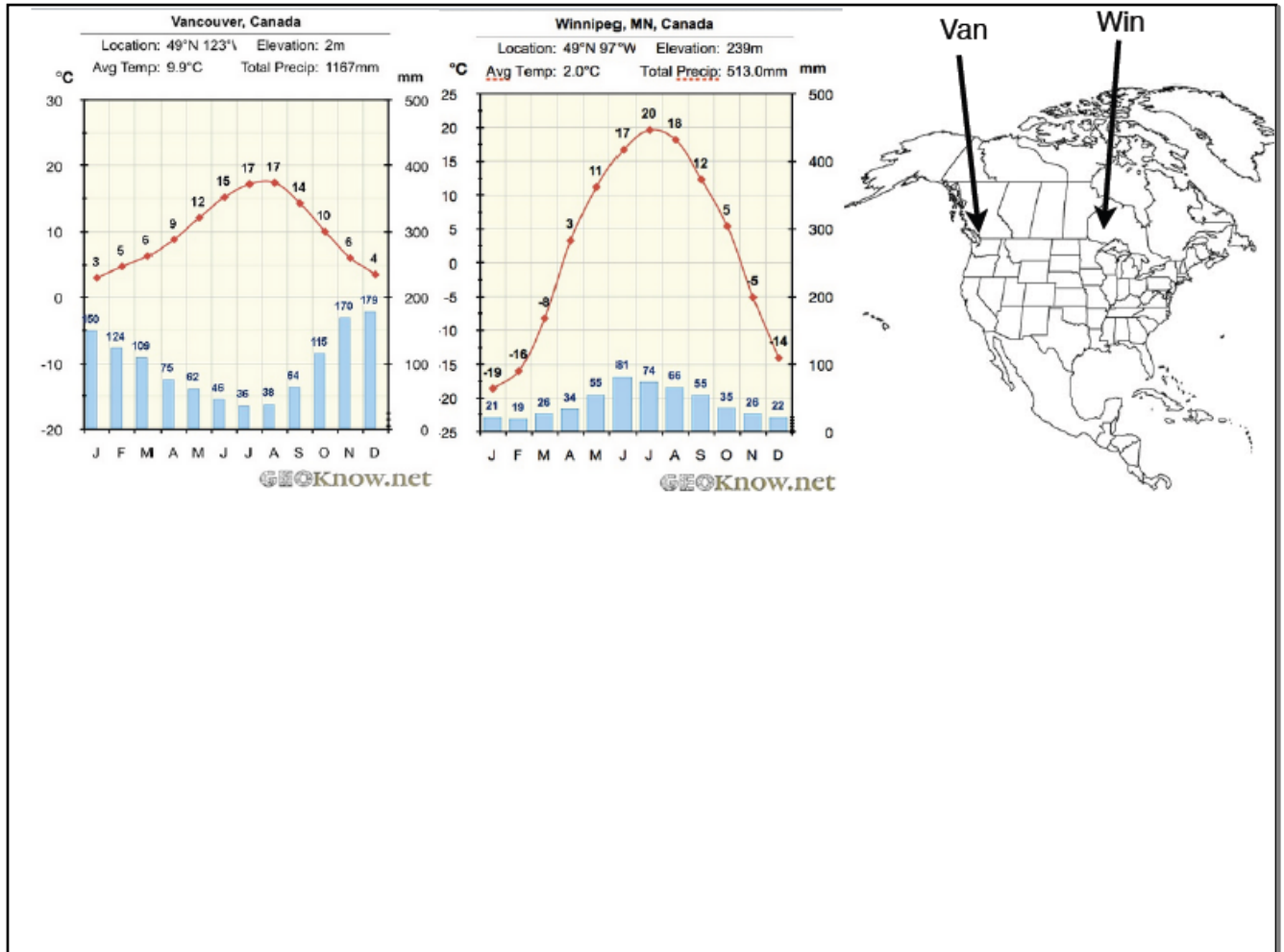
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$$D = \frac{N(N-1)}{\sum n(n-1)}$$