

## **Main Features of the Process Of Natural Selection**

- a population tends to *overproduce offspring*
- population size tends to remain in dynamic equilibrium over many generations – not static
- there is competition for resources; all environments have a carrying capacity
- there is *genetic variation* in a population that allows for species to adapt to their environment and evolve
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- variations may be advantages or disadvantages to an organism
- adaptive variations (traits) tend to be transmitted to future generations; therefore, gene frequencies change over many generations