AP Bio Ch.22 Key Vocabulary and Concepts

Vocabulary:

**evolution**

**strata**

**uniformitarianism**

**adaptation**

**natural selection**

**artificial selection**

**homologous structure**

**vestigial structure**

**analogous structure**

**convergent evolution**

**biogeography**

Ch.22 Key concepts:

**Evolution is change over time (requires huge amounts of time; the change is in genetic frequency)**

**Individuals cannot evolve, populations evolve.**

**Evolution requires 2 things: 1. Heritable variation for a trait. 2. Differential survival & reproduction related to that trait.**

**Natural selection is the mechanism of evolution. (It “cranks” the process …the pressures that make survival different).**

**Adaptations are the changes that are the results of evolution.**

**Natural Selection → Evolution → Adaptation**