

**Individual Level** - Phenotype determined by genotype and environment

**Evolutionary Ecology**

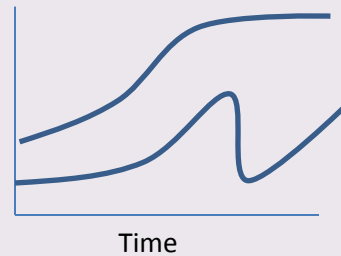
- Natural selection
- Other evolutionary forces

Births (b) ↓ ↓ Deaths (d) **Demography**

**Population Level** – dynamics determined by

$r = b - d$  and  
K (carrying capacity)

Population Size



**Species Interactions**

Biotic limiting factors

**Physiological Ecology**

Abiotic limiting factors

**Community Ecology**

- effects of multiple species
- ecological niches
- diversity and stability

**Ecosystem Ecology**

- energy flow through ecosystems
- cycles of carbon, H<sub>2</sub>O, etc.