

**Photosynthesis**



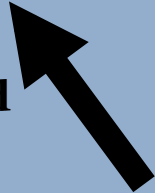
**Autotrophic  
Respiration**



**Growth**

**Heterotrophic  
Respiration**

**(Microbes and  
animals)**



**Litterfall**



**Root turnover  
(death and decay)**

