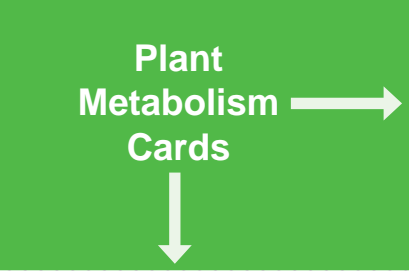


# Metabolism Cards



## Plant Metabolism Cards



**Photosynthesis**  
 Plant absorbs energy from the sun and produces fuel (sugars) to support its life processes.  
 Place 30 calories in this bowl.

**Unused Sunlight**  
 Not all energy from sunlight can be converted into organic matter.  
 Place 20 calories in this bowl.

**Respiration for Photosynthesis**  
 Plant burns energy in the process of photosynthesis.  
 Place ten calories in this bowl.

**Reproduction**  
 Plant uses energy to produce seeds.  
 Place 30 calories in this bowl.

**Growth**  
 Plant grows by using and storing energy in body tissues.  
 Place ten calories in this bowl.

## Herbivore Metabolism Cards



**Respiration for Digestion**  
 Herbivore uses energy to break down consumed food.  
 Place two calories in this bowl.

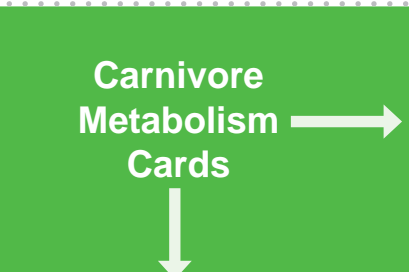
**Respiration for Movement**  
 Herbivore uses energy to search for water.  
 Place three calories in this bowl.

**Respiration for Reproduction**  
 Herbivore uses energy to mate and raise young.  
 Place three calories in this bowl.

**Growth**  
 Herbivore grows by using and storing energy in body tissues.  
 Place one calorie in this bowl.

**Respiration for Movement**  
 Herbivore uses energy to evade predators.  
 Place one calorie in this bowl.

## Carnivore Metabolism Cards



**Respiration for Digestion**  
 Carnivore uses energy to break down consumed food.  
 Place two calories in this bowl.

**Respiration for Movement**  
 Carnivore uses energy to search for prey and hunt for food.  
 Place three calories in this bowl.

**Respiration for Movement**  
 Carnivore uses energy to build a shelter.  
 Place one calorie in this bowl.

**Respiration for Reproduction**  
 Carnivore uses energy for extensive courtship display and extra hunting to raise young.  
 Place three calories in this bowl.

**Growth**  
 Carnivore grows by using and storing energy in body tissues.  
 Place one calorie in this bowl.

