**Food to Energy – Photosynthesis**

**Chlorophyll** is used in photosynthesis.

It is the process by which green plants make their own food.

In photosynthesis**, light energy and certain chemicals are used** **to change water and carbon dioxide into sugar and oxygen**.

The roots absorb water and the leaves absorb carbon dioxide.

 **The chlorophyll inside the leaf absorbs light energy**. **The oxygen is given off into the air through openings in the leaf and the sugar is used as food.**

**Respiration** is the process by which a plant **uses oxygen to change food into the energy it needs for life functions.**