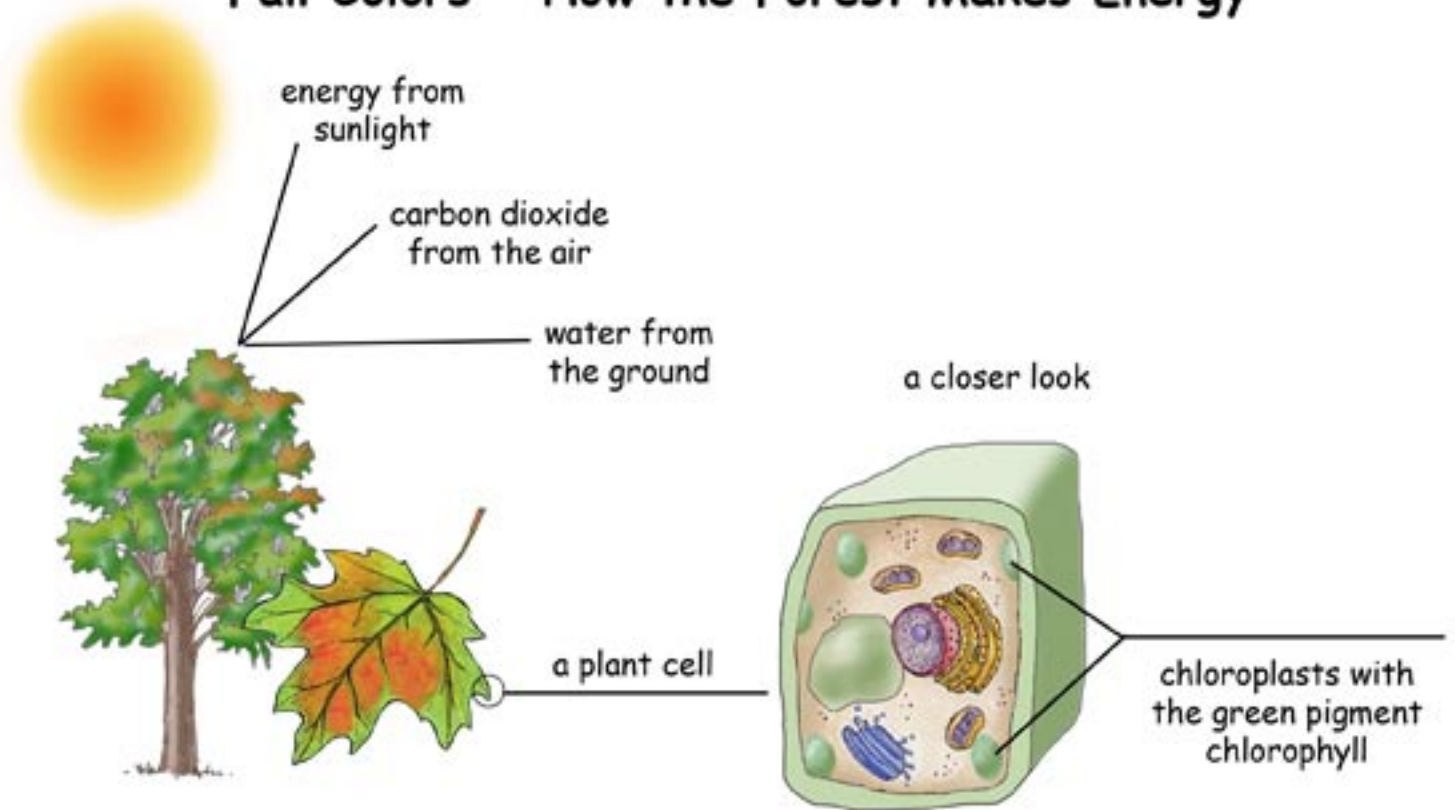


# SHORT FILM WORKSHEET



## Fall Colors - How the Forest Makes Energy



**Photosynthesis** is the change of light energy into chemical energy by green plants. They take the energy from sunlight, carbon dioxide from the air, and water from the ground. The plants then convert it into glucose (energy) and oxygen while releasing water.

This can only be done by green plants, algae, and some bacteria (cyanobacteria). They contain a special pigment, called **chlorophyll**, which can absorb photons of light. Photosynthesis allows green plants to make their own food using the energy of the sun, without having to eat anything. This is a very important adaptation that allows plants to provide all the food at the bottom of the food chain. From this source all the animals on Earth are fed. Without photosynthesis, life on earth would not have developed the way it has.

