

Once upon a time, there lived a great inventor called Dr. Photosynthesis. He wanted to create something wonderful, so he partnered with Dr. Sun, and began building a golem. Dr. Photosynthesis gathered up some **sunlight** from Dr. Sun using a special machine. The machine, which he called a **chloroplast**, had some special parts. Inside the **chloroplast**, there was a **thylakoid** inverterter, which had a special ink inside it called **chlorophyll**, that would gather the sunlight. Since this machine needs light, Dr. Photosynthesis called it the **light dependent reaction**. Once the sunlight was gathered, Dr. Photosynthesis combined the sunlight with some **carbon dioxide** from the air to make just carbon. He then added the **carbon** and some **water** into another machine, called the **Calvin Cyclor** or his **light independent reactor**, and out came his golem!

The golem, which Dr. Photosynthesis named **Glucose**, immediately short circuited and ran off. As it ran, it met an evil troll named **Glycolysis** and cut **Glucose** into pieces! **Glucose** became two different molecules, each one calling itself **Pyruvate**, and created another molecule called **ATP**. **ATP** tried to stop the troll by breaking off one of its own **phosphates** and released a mighty genie called **ENERGY! ENERGY** was able to provide enough time for the **pyruvates** to escape, but poor **ATP** was now only part of its former self. With the loss of a **phosphate**, it was only **ADP....**

The **Pyruvates** ran! Both **Pyruvates** ran down a dark forest trail and stumbled upon an old sage living there. The **Pyruvates** asked where they could go to gain **ENERGY** to fight the troll. The old sage told them, "The path to the left leads only to **Fermentation**, which will give you only a little **ATP** to summon the genie **ENERGY**. It will change you into **carbon dioxide** and **ethanol**. The path to the right will make you **Lactic Acid**, which will again give you only a little **ATP**. These are the choices of the **Anaerobics**, those that do not have the sacred **oxygen** molecule."

"Where can we get the **oxygen** molecule?", asked the **Pyruvates**.

"I have some right here!" replied the old sage. The sage then said, "Take the **oxygen** to the **mitochondria** temple. There you can **aerobically respirate** and make even more **ATP** with the **oxygen** molecule."

So, the **Pyruvates** trekked on to the temple, finding a great machine called the **Krebs Cyclor**. The **Pyruvates** gulped, but jumped into the machine. The machine tossed them around and changed them, eventually passing them onto the **Electron Transport Chain**. The **Electron Transport Chain** transformed both **Pyruvates** into **carbon dioxides** and **waters**, but gave them tons of **ATP!** Now they could bring justice to the troll **Glycolysis** and **ENERGY** to Dr. Photosynthesis. With that **ENERGY**, hopefully Dr. Photosynthesis could turn them into a golem again.....