oxygen debt. An oxygen debt is the amount of oxygen needed to get rid of the lactic acid that has built up and to help anaerobic respiration to begin again. That is why deep breathing occurs after exercising. The word equation for this is:

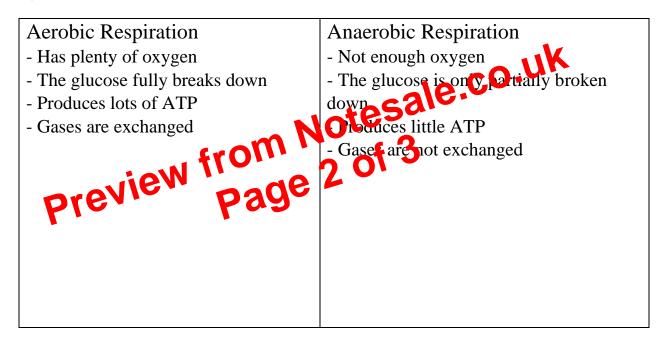
Glucose \rightarrow Lactic Acid + Energy Released

- Plants and Fungi produce Ethanol and Carbon Dioxide. Under certain circumstances plants may have to turn to anaerobic respiration. Some fungi – like yeast – also respite anaerobically too.

The produce ethanol and carbon dioxide instead of lactic acid. The word equation for this is :

 $Glucose \rightarrow Ethanol + Carbon Dioxide + Energy Released$

Key Differences



<u>Glossary</u>

- Enzyme – A biological catalyst produced by a living organism to help a certain biochemical reaction.

- Glucose A simple sugar used a source of energy in living organisms.
- ATP (Adenine Triphosphate) carries energy within cells.
- Molecule Two or more cells bonded together.
- Proteins Big molecules made of one or more chains of amino acids.
- Lipids A lipid is a large biomolecule that is soluble in nonpolar solvents.
- Carbohydrates A carbohydrate is a biomolecule consisting of carbon,