

Name: _____

ASA Presentation Notes

Unit: 4 _____

Lesson Name: 4.1. _____

Presentation on: Cell respiration _____

Notes from Presentation:

Metabolism is the combination of many physical and chemical processes in living cells

Living things use energy produced through respiration to drive vital life processes, such as growth and reproduction

Cellular respiration is a chemical process that takes place in living cells. Food is burned to release energy and waste products. It is similar to combustion.

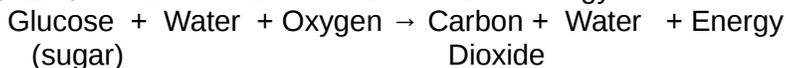
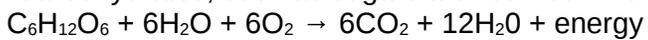
Types of Cellular Respiration

Aerobic- Occurs in the presence of oxygen

Anaerobic- Occurs in the absence of oxygen

With respiration

Carbohydrates, such as sugars are "burned" in the animal cells.



The result is the release of carbon dioxide, water, and energy.

The rate of respiration increases as the temperature increases.

Animals use energy by walking, running, digesting food, and so forth.

The more exercise or metabolic functions animals experience, the more cells respire to provide energy for body functions.

In hibernation, metabolism and body functions slow down. This is basically slowing cell respiration down to the minimum level for sustaining life

Factors that affect the rate of respiration include temperature, oxygen level, and use of energy

ASA Reflection Page

List 5 key points that are important to remember from this presentation.

- 1.
- 2.
- 3.
- 4.
- 5.

List 3 ideas or concepts that this new information has in common with previous things learned.

- 1.
- 2.
- 3.

List questions or ideas that remain unclear about the information presented that should be asked for clarity at the appropriate time.

