

GVC #1 -- I can explain the basic chemistry, structure and function of cells.

Learning Target - d. I can investigate the cycling of matter and energy on cellular level.

BOOK NOTES #6 – Photosynthesis and Respiration

Pages 49-60

1. What molecule is the primary energy source for cells?
2. Define:
 - a. Autotroph –
 - b. Heterotroph –
3. Write down the chemical equation for photosynthesis:
4. Photosynthesis takes place in what organelle?
5. What is cellular respiration?
6. Cellular respiration converts _____ into _____.
7. Write down the equation for cellular respiration:
8. Compare the equations for photosynthesis and cellular respiration, what do you notice about them?
9. Cellular respiration takes place in what organelle?
10. Fermentation is when cells do cellular respiration without oxygen. Give an example of fermentation in humans and describe what is produced.