Birzeit University

Department of Biology and Biochemistry

BIOL111

third Quiz

**Name & ID \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Choose the correct answer:
2. Which of the following is necessary in order for **osmosis**?
3. A diffusion. 3. An isotonic solution.
4. A semi-permeable membrane. 4. ATP.
5. All of the following sentences are correct regarding metabolisms **except**:
6. Categorized into **anabolism** and **catabolism**
7. **All** the chemical reactions performed by cells
8. It is the use of chemical or light energy to **only** build molecules
9. All of the above sentences are correct.
10. Photosynthesis **product** is:
11. Glucose and oxygen
12. Glucose and carbon dioxide
13. Glucose only
14. Oxygen only
15. True or False:
16. \_\_\_\_\_\_\_\_ Chloroplast is the site of **photosynthesis**.
17. \_\_\_\_\_\_\_\_ **Fermentation** occur in some unicellular organisms such as bacteria.
18. \_\_\_\_\_\_\_\_ A **plant cell** will burst when placed in hypertonic solution.
19. Fill:

According to this experiment, photosynthesis rate will be measured by \_\_\_\_\_\_\_\_\_\_ gas while \_\_\_\_\_\_\_\_\_\_\_ gas will be used to measure fermentation.

1. Why plant cells behave differently from animal cells when placed in a **hypotonic solution**?