Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_

**Moving Cellular Materials – QUIZ – Ch 3, section 2**

**Completion** *Circle the word in parentheses that best completes each statement.*

1. The movement of substances into or out of a cell without using energy is called \_\_\_\_\_\_\_\_\_\_. (active transport / passive transport / photosynthesis)

2. The movement of substances into or out of a cell that requires the use of energy is called \_\_\_\_\_\_\_\_\_\_. (active transport / passive transport / fermentation)

3. The diffusion of water through a cell membrane is called \_\_\_\_\_\_\_\_\_.

(metabolism / endocytosis / osmosis)

4. Facilitated diffusion uses \_\_\_\_\_\_\_\_\_\_\_\_\_ to help move large particles or substances into or out of a cell. (enzymes / equilibrium / transport proteins)

5. Diffusion continues until a state of \_\_\_\_\_\_\_\_\_\_\_\_\_ has been reached.

(exocytosis / equilibrium / osmosis)

**Application** *For # 6-8, please label the process with:*

“P” if it is an example of passive transport

“A” if it is an example of active transport

\_\_\_\_ 6. Diffusion \_\_\_\_ 8. Facilitated Diffusion

\_\_\_\_ 7. Osmosis

9. In at least one COMPLETE sentence, explain what happens during endocytosis (*give a detailed, complete answer*).

10. In at least one COMPLETE sentence, explain what happens during exocytosis (*give a detailed, complete answer*).

11. Write the complete formula for cellular respiration and Photosynthesis

Cellular Respiration: O2 + C6H12O6 --🡪 CO2 + H20 + ATP

PHOTOSYNTHESIS: CO2 + H2O + LIGHT ---🡪 O2 + C6H1206