Test Review Unit 4 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ P\_\_\_\_\_\_\_\_\_\_\_\_

1. Define Active Transport.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Define Passive Transport.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Write out the chemical and word formula for photosynthesis.
4. Write out the chemical and word formula for cellular respiration.

Determine if the following statements are part of photosynthesis or cellular respiration

5.) Process that stores energy in the form of sugar \_\_\_\_\_\_

6.) Process that begins with6 H2O +6CO2, and energy \_\_\_\_\_\_\_

7.) Process that begins with C6H12O6 + 6O2 \_\_\_\_\_\_\_\_\_

8.) Process in cells using chlorophyll \_\_\_\_\_\_\_\_\_

9.) Process that ends with C6H12O6 +6 O2 \_\_\_\_\_\_\_\_\_

10-14.) Write out the phases of mitosis in order and include a picture of each phase.

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15.) What process happens in the mitochondria?

16.) What process happens in the chloroplasts?

17.) What is the purpose of cellular respiration? What is purpose of photosynthesis?

18.) List the reasons why mitosis is needed.

19.) What happened to the egg in each solution of the lab .Explain in scientific terms why fluid when into or out of the egg.

20.) What type of transport occurred in the egg lab?

21.) Yeast is a member of the Fungi kingdom so is it a eukaryotic or prokaryotic cell?

22.) During the yeast lab you proved that cellular respiration happened because what was released?

23.) Define diffusion and facilitative diffusion.

24.) When the area inside the cell is the same as the area outside the cell what has been reached?

25.) Humans breathe in oxygen and exhale (breath out) carbon dioxide as a product of this reaction the process called.

26.) Plants take in carbon dioxide CO2 + H20 water and produces glucose releasing this gas .