8th Science / Fitzgerald

TEST REVIEW GUIDE: Photosynthesis & Respiration

Test Format

The test questions will be free response (no multiple choice, matching, etc). You will read each question and respond with organized thoughts that are written in complete sentences (proper punctuation, basic grammar, and basic spelling). In some cases, you may draw a diagram to go with a written response. Please read the document *Writing a Good Test Response* (hard copy in notebook and PDF on Class Page) to prepare yourself.

Test Content

Photosynthesis (PSN)

- Know the reactants and products; be sure you can draw and interpret a systems analysis diagram for photosynthesis
- Know what the purpose of PSN is
- Know what types of organisms perform PSN
- Know how to begin growing rice

Cellular Respiration (CR)

- Know the reactants and products; be sure you can draw and interpret a systems analysis diagram for respiration
- Know how CR is related to PSN
- Know what types of organisms perform CR
- Know how CR is relevant to the characteristics of bread dough

Yeast & Bread

- Know whether yeast performs PSN, CR or both
- Know what dough ingredients yeast uses and how
- Know how to design an experiment that can identify the ingredients that are
- important to yeast
- Know how to design a test to determine the identity of the gas produced by yeast
- Know how to design an experiment to determine whether yeast produces heat when it performs CR.
- Know how to build a fire & use a Dutch oven
- Know how to interpret a line graph

Study Strategies

*****Study TWO nights before the test so that you can use the review time in class to ask questions that you have discovered from studying. Often, students don't know if they have questions until they start studying, so don't wait!

*Create a set of study notes that resemble your class notes, but include only info/diagrams that are relevant to the test. The process of creating study notes is as helpful as actually having the notes, so do not take study notes from other people. Make them yourself.

*Identify information that you need to memorize. You may want to use flash cards for memorization. Do not spend too much time memorizing, though.

*Use quiz questions as study questions. Correct any answers that were wrong (using your notes). Then rewrite the questions and answer them without looking at your notes. Compare the new answer with the original quiz answer to check yourself.

*Draw diagrams to represent the experiments we've done.

*Anticipate the type of questions you will see on the test. Write them out and try to answer them.

*Stop by and see me if you find that you need some help with concepts, skills, or answering questions.