



Name: _____

GENERAL BIOLOGY 1
QUARTER 2 - Week 1-7

Grade & Section: _____

Parent Signature: _____

Score: _____

_____/25

SUMMATIVE TEST
Energy Transformation

I. Directions: Modified True or False. Indicate whether the statement is True or False. If false, change the underlined word(s) to make the statement correct.

- _____ 1. A chlorophyll molecule absorbs photon or light energy.
- _____ 2. The ribose of ATP is the key to its ability to store and supply energy.
- _____ 3. ATP releases energy when it breaks bonds between its phosphate groups.
- _____ 4. Chlorophyll reflects blue and red light while it transmits and absorb green light. Therefore, leaves appear green.
- _____ 5. Hydrolysis of ATP happens when a water molecule breaks the terminal phosphate bond.
- _____ 6. The main chemical compound used by cells for energy is adenosine diphosphate (ADP).
- _____ 7. Energy coupling is the transfer of energy from one chemical reaction to another.
- _____ 8. ADP is a structure that composed of sugar ribose, nitrogen base adenine and a chain of 3-phosphate groups.
- _____ 9. Chromatography is a separation technique used to identify various components of mixtures based on the differences in their structure and/or composition.
- _____ 10. Chlorophyll is a greenish pigment found in the thylakoid membrane inside the chloroplast of an animal cell.
- _____ 11. Photosystems are clusters of chlorophyll and proteins.
- _____ 12. The light-dependent reactions begin when photosystem I absorbs light.
- _____ 13. The products of light-dependent reaction are CO₂, ATP, and NADPH.
- _____ 14. The difference in charges across the thylakoid membrane provides the energy to make ATP.
- _____ 15. ATP and NADPH are two types of protein carriers.
- _____ 16. The Calvin cycle refers to the light-dependent reactions in photosynthesis that take place in three key steps.
- _____ 17. RuBisCO catalyzes a reaction between CO₂ and RuBP.

General Biology Exam

L Darling-Hammond



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Curriculum Handbook with General Information Concerning ... for the United States Air Force Academy

United States Air Force Academy,1998 The Hidden Curriculum - Faculty Made Tests in Science Sheila Tobias,1997

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in the Biological/Biomedical Sciences & Health-Related Medical Professions 2014 (Grad 3) Peterson's,2013-12-20 Peterson's Graduate Programs in the Biological Biomedical Sciences Health Related Medical Professions 2014 contains comprehensive profiles of nearly 6 800 graduate programs in disciplines such as allied health biological biomedical sciences biophysics cell molecular structural biology microbiological sciences neuroscience neurobiology nursing pharmacy pharmaceutical sciences physiology public health and more Up to date data collected through Peterson's Annual Survey of Graduate and Professional Institutions provides valuable information on degree offerings professional accreditation jointly offered degrees part time and evening weekend programs postbaccalaureate distance degrees faculty students requirements expenses financial support faculty research and unit head and application contact information There are helpful links to in depth descriptions about a specific graduate program or department faculty members and their research and more There are also valuable articles on financial assistance the graduate admissions process advice for international and minority students and facts about accreditation with a current list of accrediting agencies CLEP Success Peterson's,2007-05-04 Offers

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