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## Chemical Energy And Atp Reinforcement Answers

**4.1 chemical energy and atp - murrieta valley unified ...** - 4.1 chemical energy and atp • fats store the most energy. -80 percent of the energy in your body -about 146 atp from a triglyceride • proteins are least likely to be broken down to make atp. **study guide 4.1: chemical energy and atp** - the chemical energy used by all cells is carried by a molecule called adenosine triphosphate, or atp. ... chemical energy and atp section quiz 4.1: chemical energy and atp choose the letter of the best answer. \_\_\_\_ 1. which of the following statements is true for all cells? a. they use solar energy. **4.1 chemical energy and atp - pc\|mac** - 4.1 chemical energy and atp phosphate removed • atp transfers energy from the breakdown of food molecules to cell functions. - energy is released when a phosphate group is removed. - adp is changed into atp when a phosphate group is added. **4.1 chemical energy and atp - mr. roseleip biology chs** - related to chemical energy. atp carries energy. all cells need chemical energy. when the phosphate is removed, energy is released and atp becomes adp—adenosine diphosphate. adp is a lower-energy molecule that can be converted into atp by the addition of a phosphate group. if atp is a wallet filled with money, adp is a nearly empty wallet. **section 1: chemical energy and atp study guide a** - study guide a section 1: chemical energy and atp . study guide a . continued. vocabulary check . fill in each blank with the word or phrase that best completes the sentence. 9. the prefix . tri-means “three,” and the prefix . di-means “two.” therefore, adenosine triphosphate (atp) has \_\_\_\_ phosphate groups, and **worksheet chemical energy and atp - triton science** - worksheet: chemical energy and atp b i o l o g y directions: answer the following questions using your class notes and textbook. (pages 100-102) 1. what type(s) of carbon-based molecules (organic compounds) are the source for most of the energy in the foods you eat? 2. where is the energy stored in these molecules? 3. what is atp? 4. **section 4.1 chemical energy and atp - weebly** - the chemical energy used by most cell processes is carried by atp. chemical energy is used by all organisms and is needed for all life processes. the chemical energy that all cells use is in the form of atp, which stands for adenosine triphosphate. atp is a molecule that carries energy that cells can use. **section chemical energy and atp 4.1 study guide** - chemical energy and atp reinforcement key concept all cells need chemical energy. all cells need chemical energy for their functions. the energy that your cells need comes indirectly from the food you eat. the chemical energy used by all cells is carried by a molecule called adenosine triphosphate, or atp. atp is a molecule that transfers **harvesting chemical energy: cellular respiration - biology** - b. chemical energy is released as a result of the change in energy of the molecules. 3. electrons move from fuel substances to final electron acceptors. a. the lower the energy of the final electron acceptor, the greater the yield of energy for cellular activities. b. oxygen is the major electron acceptor in most cells. d. **section 1: chemical energy and atp study guide b** - the chemical energy used for most cell processes is carried by atp. 1. what do all cells use for energy? \_\_\_\_ **cellular respiration: harvesting chemical energy** - •cellular respiration includes both aerobic and anaerobic respiration but is often used to refer to aerobic respiration •although carbohydrates, fats, and proteins are all consumed as fuel, it is helpful to trace cellular respiration with the sugar glucose:  $c_6h_{12}o_6 + 6o_2 \rightarrow 6co_2 + 6h_2o + \text{energy (atp + heat)}$  **cellular respiration: harvesting chemical energy** - •organic molecules have potential (chemical) energy •exergonic rxns break down organic molecules ... energy (b) cellular respiration controlled release of energy for synthesis of ... -cellular respiration 38 atp per glucose **cellular respiration: harvesting chemical energy** - • this energy is ultimately used to make atp - chemical reactions that transfer electrons from one reactant to another are called oxidation-reduction (redox) reactions • a reaction in which there is a loss of electrons is called oxidation • a reaction in which electrons are gained is called reduction (adding)

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