


Aerobic respiration diagram worksheet

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In this spreadsheet, we will train ourselves to recall reagents and products of aerobic breathing, and explain the importance of breathing to organisms. Q1: Aerobic respiration in humans requires a supply of glucose. Where does this glucose come from? AFrom the inhalation of gas from the atmosphere BFrom the water in the diet of the person CFrom the decomposition of dead cells DFrom the food in the diet of the person Q2: What gas is produced in aerobic respiration? AMethane BCarbon Dioxide CCarbon Dioxide DHydrogen Q3: Which of the following organelles is responsible for taking the oxygen needed for aerobic respiration in humans? AThe large intestine BThe lungs CThe heart DThe stomach EThe small intestine Q4: Which of the following organelles is the main site of aerobic breathing? ACytoplasm BNucleus CCell membrane DMitochondria ERibosomes Q5: During the aerobic breathing process, energy is released from glucose degradation. This energy is stored as a molecule in the cell. What is the name given to this molecule? Q6: Which of the following is not the use of ATP in animals? ARegulation of body temperature BSimple spread substances through cell membranes CActive transport of substances through cell membranes DMovement and locomotion ESynthesis of larger molecules from smaller ones Q7: Aerobic respiration requires oxygen. How is this oxygen delivered to the cells for breathing? ABy the nervous system BBy white blood cells CBy red blood cells DBy active transport EBy chemical messengers Q8: The diagram provided shows the basic structure of a hair cell root. How can root cells use the energy transferred during aerobic breathing in a plant? ARoot hair cells use energy to actively transport mineral ions from the soil to the root. BRoot hair cells use energy to actively transport water from the ground to the root. CRoot hair cells use energy to move water by osmosis from the ground to the root. DRoot hair cells use energy to diffuse mineral ions from the soil to the root. Q9: For the following statement, indicate whether the rate of cell respiration increases, decreases or remains the same. As the intensity of exercise increases, the rate of cellular respiration. AStays the same Bdecreases Cincreases Q10: While excluding energy/ATP, the correct and balanced chemical equation (symbol) state for aerobic respiration. A $6CO_2 + 6H_2O \rightarrow 6CO + 6H_2O + 2222$ B $6CO_2 + 6H_2O \rightarrow 6CO + 6H_2O + 2222$ C $6CO_2 + 6H_2O \rightarrow 6CO + 6H_2O + 2222$ D $6CO_2 + 6H_2O \rightarrow 6CO + 6H_2O + 2222$ Q11: What is the main organ responsible for the absorption of glucose needed for aerobic breathing of the diet? AL'st stomach BThe large intestine CThe small intestine DThe heart EThe lungs Q12: As the decomposes in aerobic respiration, it transfers energy to the environment. What kind of chemical reaction is this? Q13: The diagram provided shows a basic outline of an animal cell. What letter indicates the organelle that is the main site of aerobic breathing? 6th, 7th, 8th, 9th, 10th, Higher Education, Homeschool, StaffPage 20h no! We have not found any results for check your spelling and try again. New.

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