

Biology 1 a Week Activity Higher Answers		12 th Week
Name: Class:		
In plants, which ions are used to make amino acids? A Magnesium B Nitrates C Phosphates D Potassium	What is a disease-causing organism called? A Antibody B Host C Pathogen D Phagocyte	
The figure below shows an artery a capillary and a vein. State one function for each of the blood vessels shown in the figure above. Artery – any one of the following: • carries blood from the heart / delivers blood to tissues. • withstands / maintains / transports blood at, high pressure. • transports oxygenated blood except pulmonary (artery). Capillary – any one of the following: • exchange of substances to, tissues / cells. • allows diffusion / described as movement of named gas. • allows, filtration / white cells to escape / forms tissue fluid & allows (re)absorption of heat, exchange / loss / gain. Vein – any one of the following: • transports blood, to the heart / from tissues. • transports blood at low pressure. • transports deoxygenated blood except pulmonary (vein).		
What is a function of the rings of cartilage in the trachea? A Gas exchange B Prevents collapse of the trachea C Produces mucus D Traps bacteria	Which of the following is the equation for anaerobic respiration in yeast? A $C_6H_{12}O_6 \rightarrow 2C_2H_5OH + 2CO_2$ B $C_6H_{12}O_6 + 6O_2 \rightarrow 6CO_2 + 6H_2O$ C $2CO_2 + 2C_2H_5OH \rightarrow C_6H_{12}O_6$ D $6CO_2 + 6H_2O \rightarrow C_6H_{12}O_6 + 6O_2$	
Substances can cross membranes by active transport What is active transport? Active transport is the movement of a substance from an area of low concentration to an area of high concentration, moving against its concentration gradient using energy.		