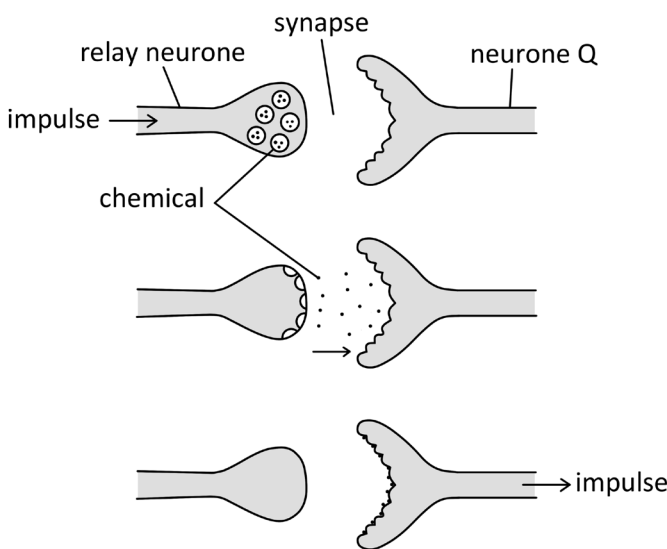
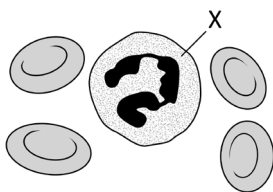


Biology 1 a Week Activity Higher Answers		40 th Week
Name: Class:		
What is a pathogen? A microorganism that causes or can cause disease.	What is a heterozygous gene? A gene that contains one dominant and one recessive allele.	
The figure below shows how a nerve impulse passing along a relay neurone causes an impulse to be sent along another type of neurone, neurone Q.		
		i. What type of neurone is neurone Q? Motor neurone ii. What is the chemical that crosses the synapse called? Neurotransmitter
Name the two naturalists that put forward the theory of evolution by natural selection. Alfred Russel Wallace Charles Darwin	Write the formula that is used to calculate the magnification of an organelle from an image. Magnification = image size ÷ actual size	
What is the process that releases energy within a cell? Respiration	What is the function of a ribosome? The site of protein synthesis.	
The diagram shows human blood cells, as seen under a microscope.  Identify cell X and describe its function? Cell X is a <u>phagocyte</u>. Phagocytes engulf pathogens and destroy them.		
Name the valve found between the right atrium and right ventricle. The tricuspid valve	Name the vein that brings oxygenated blood to the heart. The pulmonary vein	
State the equation to calculate stroke volume. Stroke volume = cardiac output ÷ heart rate		