

Biology 1 a Week Activity		Higher	52 nd Week
Name:		Class: 	
The diagram shows the cells of a mammalian embryo shortly after fertilisation.			
i. Which is the correct description of these cells? A Gametes undergoing meiosis B Gametes undergoing mitosis C Stem cells undergoing meiosis D Stem cells undergoing mitosis		ii. What is the second stage of protein synthesis? iii. Where does this stage occur? 	
iv. Compare and contrast mitosis and meiosis. 			
What is a heterozygous gene? 	What is an allele? 		
State the names of the two scientists credited with determining the 3D model of DNA. 	State the name of the female scientist whose work was vital for the determination of the 3D model of DNA. 		
A woman has a heart rate of 125 beats per minute. Each beat has a stroke volume of 55 ml. Calculate the cardiac output of the woman while she is running. cardiac output = ...			
Which valve is found between the left atrium and left ventricle? 	Which valve is found between the left ventricle and Aorta? 		