Chapter 6 Model of Cells	Date:
•	

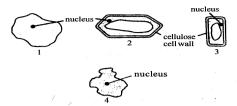
## **Topical Worksheet**

## SECTION A - MCQ

st

	•	stion is provided with <b>four</b> poss te answer and <b>write</b> your choice		,	Select t	the mos			
1	Wh	Which part of the cell controls activities that take place in a cell?							
	A C	chromosome nucleus	B D	vacuole cytoplasm	(	)			
2	Wh	ich one of the following is found i	n bot	h plant and animal cells?					
	A C	cell wall chloroplast	B D	starch grains plasma membrane	(	)			
3	The	e function of the plasma membrar	ne is	to					
	A B C D	provide the cell with a regular stallow the passage of substance allow only certain substances to provide support for the cell	s acr	oss	(	)			
4		rocess known aselease energy through the break				of cells			
	A B C D	digestion, mitochondria digestion, nucleus respiration, mitochondria respiration, nucleus			(	)			

5 The diagrams below show some plant and animal cells.



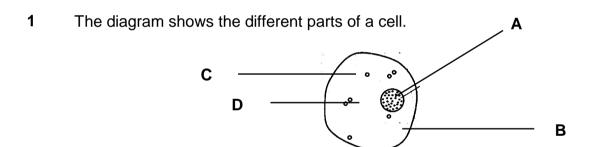
Which list correctly shows which cells are from animals and which are from plants?

	Cell 1	Cell 2	Cell 3	Cell 4
Α	Animal	Plant	Animal	Plant
В	Animal	Plant	Plant	Animal
С	Plant	Animal	Animal	Plant
D	Plant	Animal	Plant	Animal

( )

## **SECTION B - Structured Questions**

Answer **ALL** questions in this section. Show your working and write your answers in the space provided.



(a) Name the labelled parts A to D.

A: \_\_\_\_\_ B: \_\_\_\_

C: D: [2]

**(b)** Identify whether the cell above is a plant or animal cell. Explain your answer.

[2]

A:		
В:		
C:		
		•••••
complete the ta		
complete the ta	ble below to show the structuand animal cell.	ural similarities and differe
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3		ich of the cells below are likely to h r answer.	ave 1	he <u>most</u> mitochondria? Explain	
	Red	d blood cells, white blood cells, mus	cle c	ells, skin cells	
					[3]
4		diagrams below show some structure through his microscope. State the <b>f</b> y.			
	(a)	Nerve cell  Sore (soft tool) Nucleus  Myslix Steath	(b)	Muscle cell	
	(c)	Red blood cells	(d)	Sperm cell	
				MEAN SERVICES	
					[4]

5 Name the tissue that does the following job.

	Tissue	Function		
N	tissue	Transmit messages in the form of electrical impulses around the body		
M	tissue	Contract and relax to bring about movement in animals		
С	tissue	Supports and binds other tissues together		

	Ne Br Diç	System rculatory system ervous system eathing system gestive system ant transport system  Torgans  Lungs and trachea Heart and blood vessels Roots, stem and leaves Stomach and intestines Brain and spinal cord	[5]
7	(a)	What is the meaning of the term 'division of labour' in multicellular organisms?	
	(b)	State the significance of division of labour in multicellular organisms.	[2]
			[2]

Match the systems on the left to the organs on the right.