

**FORM 4 TOPIC TEST 2: ANIMAL CELL AND PLANT CELL**

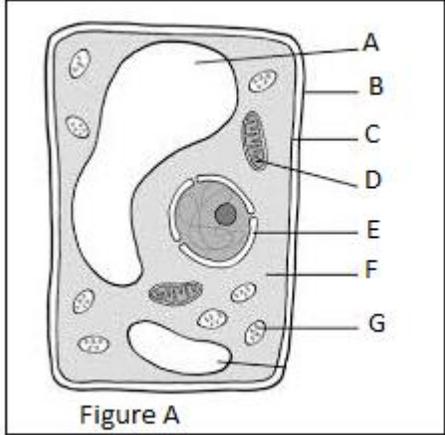
NAME: \_\_\_\_\_

FORM: \_\_\_\_\_

TOTAL: \_\_\_\_\_/30

STRAND/SUB-STRAND	SKILL LEVEL	WEIGHT
	1	
Cell	30	
<b>Total</b>	<b>30</b>	<b>30</b>

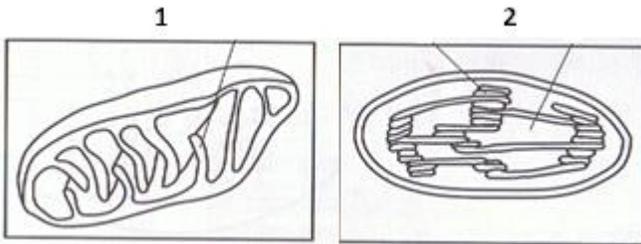
**QUESTION: Animal Cell and Plant Cell**

<p>1. Define cell.</p> <p>_____</p>	<table border="1"> <tr><td>SL</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>NR</td><td></td></tr> </table>	SL		1		0		NR							
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<p>2. Label the diagram below.</p> <div style="text-align: center;">  <p>Figure A</p> </div> <p>A: _____      B: _____      D: _____</p> <p>E: _____</p>	<table border="1"> <tr><td>SL</td><td></td></tr> <tr><td>4</td><td></td></tr> <tr><td>3</td><td></td></tr> <tr><td>2</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>NR</td><td></td></tr> </table>	SL		4		3		2		1		0		NR	
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<p>3. Cells have organelles. Which of the following organelles are ONLY found in Plants?</p> <p>A. Nucleus B. Cell membrane C. Chloroplast D. Ribosome</p>	<table border="1"> <tr><td>SL</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>NR</td><td></td></tr> </table>	SL		1		0		NR							
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4.	<p>There are some organelles (cell parts) that are found in BOTH plant and animal cells. Choose the list that ONLY has organelles that are found in both plant and animal cells.</p> <p>A. Nucleus, Cell wall, Cell membrane            B. Cell membrane, Chloroplast, Golgi bodies            C. Large vacuole, cell wall, nucleus            D. Cell membrane, mitochondria, nucleus</p>	<table border="1"> <tr><td>SL</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>NR</td><td></td></tr> </table>	SL		1		0		NR																							
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5.	<p>Match column A with column B. A is the list of organelles and B is their function. Write your answer on the space provided.</p> <table border="1" data-bbox="172 657 1292 919"> <thead> <tr> <th>Column A</th> <th>Column B</th> </tr> </thead> <tbody> <tr> <td>Mitochondria _____</td> <td>i. Control substance that goes in and out of the cell</td> </tr> <tr> <td>Chloroplast _____</td> <td>ii. Control the cell</td> </tr> <tr> <td>Ribosome _____</td> <td>iii. Place where respiration occur</td> </tr> <tr> <td>Nucleus _____</td> <td>iv. Store water and food</td> </tr> <tr> <td>Cell membrane _____</td> <td>v. Make protein</td> </tr> <tr> <td>Vacuole _____</td> <td>vi. Place where photosynthesis occur</td> </tr> </tbody> </table>	Column A	Column B	Mitochondria _____	i. Control substance that goes in and out of the cell	Chloroplast _____	ii. Control the cell	Ribosome _____	iii. Place where respiration occur	Nucleus _____	iv. Store water and food	Cell membrane _____	v. Make protein	Vacuole _____	vi. Place where photosynthesis occur	<table border="1"> <tr><td>SL</td><td></td></tr> <tr><td>5</td><td></td></tr> <tr><td>4</td><td></td></tr> <tr><td>3</td><td></td></tr> <tr><td>2</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>NR</td><td></td></tr> </table>	SL		5		4		3		2		1		0		NR	
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6.	<p>State TWO differences between plant cell and animal cell.</p> <p>_____</p> <p>_____</p>	<table border="1"> <tr><td>SL</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>NR</td><td></td></tr> </table>	SL		1		1		0		NR																					
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7.	<p>Which organelles helps provide the cell with energy and release energy?</p> <p>A. Rough endoplasmic reticulum            B. Mitochondria and chloroplast            C. Golgi Apparatus and ribosome            D. Nucleus</p>	<table border="1"> <tr><td>SL</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>NR</td><td></td></tr> </table>	SL		1		0		NR																							
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8.	<p>A plant cell can contain ONE large vacuole (which stores water and substances). Can animal cell have vacuole?</p> <p>A. No, only plants have them            B. Yes, animal cell only ever have one vacuole and it is very big            C. Yes, but animal cell can contain many small vacuoles instead of one big one</p>	<table border="1"> <tr><td>SL</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>NR</td><td></td></tr> </table>	SL		1		0		NR																							
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9.	<p>Complete the sentence below using your knowledge on plant cell.</p> <p>Only plant cells have a cell _____. This is found on the very outside of the plant cell and helps to keep the shape of the plant cell. Animal cell never have these.</p>	<table border="1"> <tr><td>SL</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>NR</td><td></td></tr> </table>	SL		1		0		NR																							
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10.	<p>Which part of a plant cell contains chlorophyll that is involved in photosynthesis (plants making food)?</p> <p>A. Chloroplasts B. Chloroplast C. Cloroplast</p>	<table border="1"> <tr><td>SL</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>NR</td><td></td></tr> </table>	SL		1		0		NR															
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11	<p>Study the diagram below and answer the following questions.</p> <div data-bbox="188 627 612 999" data-label="Image"> <p>Figure 1</p> </div> <p>i. Is the diagram above an animal cell or plant cell? _____</p> <p>ii. Give a reason for your answer.</p> <p>_____</p>	<table border="1"> <tr><td>SL</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>NR</td><td></td></tr> </table>	SL		1		1		0		NR													
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12.	<p>Use the words in the box below to fill in the spaces in each sentence.</p> <div data-bbox="172 1383 1263 1495" data-label="Text" style="border: 1px solid black; padding: 5px;"> <p>distinguishes, cell membrane, Plant, cell wall, nucleus, presence, chloroplast , DNA</p> </div> <p>It is the _____ of the _____ that _____ plant from animal cells.</p> <p>_____ cells taken from a leaf will have _____ and large vacuole.</p> <p>All cells are bound by a _____.</p> <p>The _____ is often called the <i>control center</i> of the cell because it contains _____, the genetic material that organizes all cell processes.</p>	<table border="1"> <tr><td>SL</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>1</td><td></td></tr> <tr><td>0</td><td></td></tr> <tr><td>NR</td><td></td></tr> </table>	SL		1		1		1		1		1		1		1		1		0		NR	
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12. Name the organelles below



Organelle 1: \_\_\_\_\_

Organelle 2: \_\_\_\_\_

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