**A TRUE/FALSE** Write if the sentence is true or false. If false, change the **bold** word to make the sentence true. (20 points: 4 points each)

Example: **F** Robert Hook looked at cells through a telescope. **microscope**

1. **T** Organelles perform life activities in cells.
2. A bacteria cell has a **nucleus** inside its cell membrane.
3. The **cell** is the basic unit of life.
4. A **bacteria** cell has cytoplasm and a cell membrane.
5. Charles Darwin **invented** the name cell.

**B MULTIPLE CHOICE** Choose the correct answer. (20 points: 4 points each)

Example: The cell membrane of a bacteria cell is **d**.

- a. jelly-like
- b. stiff
- c. empty
- d. thick

6. An animal cell does not have **b**.
   - a. vacuoles
   - b. lysosomes
   - c. ribosomes
   - d. a cell wall

7. Robert Hook drew **a**.
   - a. the walls of a cell
   - b. the nucleus of a cell
   - c. the organelles of a cell
   - d. a microscope

8. A bacteria cell has **c**.
   - a. a cell membrane and a nucleus
   - b. a nucleus and lysosomes
   - c. cytoplasm and a cell membrane
   - d. chloroplasts and lysosomes

9. The nucleus of a cell is in charge of cell activities. This means it **c**.
   - a. digests material in the cell
   - b. holds up cell walls
   - c. controls activities in the cell
   - d. processes proteins in the cell

10. Chloroplasts are found in **b**.
    - a. animals
    - b. green plants
    - c. bacteria
    - d. ribosome

**C COMPLETION** Complete the sentences. (20 points: 4 points each)

Example: A bacteria cell has a cell membrane and **cytoplasm**.

11. All living things are made of one or more ____________.
12. The cell parts that perform life activities are called ____________.
13. Robert Hook drew a picture of empty ____________.
14. The organelles that make food in green plants are ____________.
15. A ____________ cell does not have a nucleus.
**D SHORT ANSWERS** Look at the table. Answer the question.
(20 points: 4 points each)

<table>
<thead>
<tr>
<th>Organelle</th>
<th>Job or Life Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>nucleus</td>
<td>The nucleus controls all cell activities.</td>
</tr>
<tr>
<td>chloroplast</td>
<td>Chloroplasts are in charge of making food from sunlight. Animal cells do not have chloroplasts.</td>
</tr>
<tr>
<td>cytoplasm</td>
<td>This jelly-like material is inside the cell membrane, but outside the nucleus. It contains all the other cell parts.</td>
</tr>
<tr>
<td>lysosome</td>
<td>The lysosomes digest or break down material.</td>
</tr>
<tr>
<td>endoplasmic reticulum</td>
<td>The endoplasmic reticulum moves chemicals around the cell.</td>
</tr>
<tr>
<td>Golgi complex</td>
<td>The Golgi complex packages or processes proteins.</td>
</tr>
<tr>
<td>cell wall</td>
<td>The stiff cell wall holds up the plant.</td>
</tr>
<tr>
<td>mitochondria</td>
<td>Mitochondria make energy from food.</td>
</tr>
</tbody>
</table>

**Example:** Which cell part is outside the nucleus and holds all the other cell parts?

**cytoplasm**

16. Which cell part moves chemicals around in the cell? __________________________

17. What does the nucleus of a cell do? _______________________________________

18. What cell part processes proteins? ________________________________________

19. What does the cell wall do in a plant? ______________________________________

20. What do lysosomes do in a cell? ____________________________________________

**E WRITING** Write a paragraph explaining how animal cells and plant cells are different. (20 points)

___________________________________________________________________________

___________________________________________________________________________

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