**WORKSHEET**

**PROKARYOTIC AND EUKARYOTIC CELL STRUCTURE**

**TASK 1.** Indicate the cell type. Watch the video and fill in the table by matching the cell characteristics to the particular cell.

<table>
<thead>
<tr>
<th></th>
<th>_______________________CELL</th>
<th>_______________________CELL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacteria and cyanobacteria</td>
<td>prokaryote</td>
<td></td>
</tr>
<tr>
<td>All other cells</td>
<td>eukaryote</td>
<td></td>
</tr>
<tr>
<td>No nuclear</td>
<td></td>
<td></td>
</tr>
<tr>
<td>True nuclear</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lack membrane-bound organelles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Possess subcellular organelles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evolve from much smaller prokaryotic cells</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contain DNR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DNR is visible as a long irregularly shaped molecule</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DNR is packaged together with special proteins, called chromosomes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific number of chromosomes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cell membrane, cytoplasm and various organelles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Have ribosomes and make proteins</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**TASK 2.** In pairs indicate what is presented in the pictures below and describe them using words in the boxes. Then read your description to the other pair and listen carefully to their description. Whose description is more accurate? What comments do you have? Consult with the teacher if necessary.

**Picture 1**

**Picture 2**

**Picture 3**

**Nouns:**
- Flagellum
- Ribosome
- Cell walls
- Plasma membrane
- Nucleolus
- Nucleoid
- Organelle
- Mitochondria
- Nucleus
- DNA
- Plasmid

**Verb and adjective phrases:**
- To be absent
- To be used for movement
- To contain
- To have
- To consist of
- To control
**EXTRA TASK. Ascribe the cell characteristics to either plant or animal cell:**

<table>
<thead>
<tr>
<th>PLANT</th>
<th>ANIMAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Only have a plasma membrane</td>
<td>Planted cells that photosynthesis</td>
</tr>
<tr>
<td>Glycogen</td>
<td>Starch</td>
</tr>
<tr>
<td>Small temporary vacuoles sometimes found</td>
<td>Surrounded by the membrane called the tonoplast</td>
</tr>
<tr>
<td>Able to change shape</td>
<td>Fixed shape</td>
</tr>
<tr>
<td>Alonge with the inner plasma membrane</td>
<td></td>
</tr>
</tbody>
</table>

**HOMEWORK TASK:**

1. Indicate cell parts using the picture above.
2. Watch the video *A Tour of the Cell* and take notes of 4 new facts or terms that you will learn from the video.
1. _______________________________ 2. _______________________________
3. _______________________________ 4. _______________________________
5. _______________________________ 6. _______________________________
7. _______________________________ 8. _______________________________
9. _______________________________ 10. _______________________________
11. _______________________________ 12. _______________________________

Fact/term 1
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________

2
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________

3
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________

4
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
For other notes: