**Guided Work 01**

**I- Revue questions**

1. What was the Theory of Spontaneous Generation, and who disproved it?

2. Who was the first person to observe microorganisms and what did he call them?

3. What did Louis Pasteur's experiment with swan-neck flasks prove?

4. What contribution did Robert Koch make to the development of microbiology?

5. What did Carl Woese contribute to microbial classification?

6. What is the significance of the work of Louis Pasteur in the prevention of disease?

7. What was Carl von Linné's initial classification of organisms in 1735?

8. What contribution did Ernst Haeckel make to classification in 1866?

9. What are the main differences between eukaryotic and prokaryotic cells?

10. What are the key features that define protists, and how are they classified?

**II- Exercice**

Complete the following table :

|  |  |  |
| --- | --- | --- |
| **Feature** | **Prokaryotic Cells** | **Eukaryotic Cells** |
| **Size** |  |  |
| **Nucleus** |  |  |
| **DNA Structure** |  |  |
| **Organelles** |  |  |
| **Cell Wall Composition** |  |  |
| **Ribosome Size** |  |  |
| **Mode of Division** |  |  |
| **Examples** |  |  |