

TD n°3

**Exercise 1**

Classify the following organisms as prokaryotic or eukaryotic:

Mushrooms; eubacteria; yeasts; mold; algae; protozoa; plants ; animals ; archaeobacteria; viruses.

prokaryotic	eukaryotic

**Exercise 2**

Q/ Why are viruses not considered living beings?

**Exercise 3**

Based on their size, order the following biological structures from smallest to largest:

Chromosome; cell ; plasmid; Mitochondria; nucleus

**Exercise 4**

1/ Fill in the missing words: Keywords: bacterial, certain bacteria, resistant, antibiotics

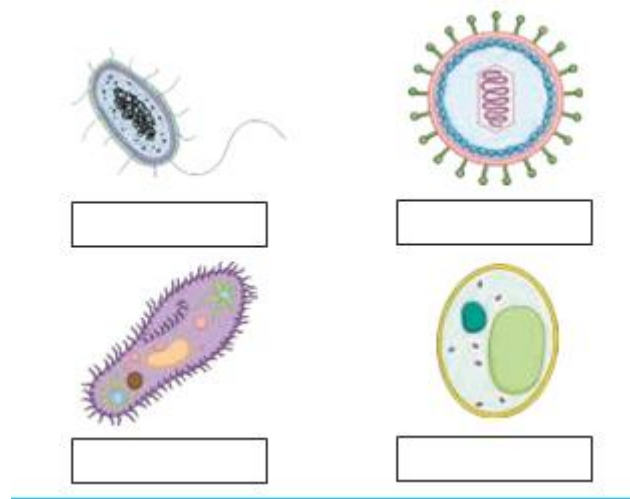
The use of -----has greatly reduced the deaths from infectious -----diseases.  
However, the evolution of strains that are to -----is a concern. -----are specific  
which means they only work against -----.

2/ Fill in the missing words: Microbiologists, Scientists, Bacteria, bacteriologists

----- were among the very first life forms to appear on Earth. Thousands of types of bacteria  
are known. Many more kinds have not yet been described or even discovered. ----- who  
study bacteria are called ----- or -----.

### **Exercise 5**

-Label the pathogens below that cause infectious diseases



### **Exercise 6**

What are the main differences between Gram positive and Gram negative?

### **Exercise 7**

Label this figure and give a corresponding title.

