

Exercise 1

A/ Write the singular or the plural form of the following words and translate them into French

Singular form	Plural form	French translation (singular form)
.....	Bacteria	
.....	Media	
Equipment		
locus		

B/ “Secondary metabolites **contain active** molecules that can **inhibit** bacterial **growth**”

- Paraphrase this sentence using synonyms and antonyms

.....

Exercise 2

Identify the following laboratory equipment and state their uses

 	 	
Used to	Used to	Used to
.....		
.....		
.....		
.....		

Exercise 3

Give a definition for each of the following terms

Gene:

.....
.....

Diploid cell.....

.....

Exercise 4

Complete the table below

Process	What happens	Location		Product
		Eucaryotic cell	Procaryotic cell	
Replication				
.....				mRNA
.....				Protein

Exercise 5

Fill in the gaps with the appropriate prefix or suffix in the following sentences

1..... trophs are organisms which create their own food using inorganic materials.

2.trophs which are organisms that can not produce their own food and require consumption of other organisms to live.

3. Card..... is an inflammation of the heart

4. A halo.... is an organism that can thrive in a high-salinity environment.

Good luck to all students

Answer key

Exercise 1 (3 points)

A/ Write the singular or the plural form of the following words and translate them into French **(2 points — 0.25 point each)**

Singular form	Plural form	French translation (singular form)
Bacterium	Bacteria	Bactérie
Medium	Media	Milieu de culture
Equipment	Equipment	Equipement
locus	loci	locus

B/ Paraphrasing **(1 point)**

“Secondary metabolites have effective molecules that can stop bacterial multiplication”

Exercise 2 (3 points)

Identify the following laboratory equipment and state their uses

Figure 1: Micropipette (Refer to the course content) **(1 point)**

Figure 2: Mortar and pestle (Refer to the course content) **(1 point)**

Figure 3: Centrifuge (Refer to the course content) **(1 point)**

Exercise 3 (2 point)

Give a definition for each of the following terms

Gene: (Refer to the course content) **(1 point)**

Diploid cell: (Refer to the course content) **(1 point)**

Exercise 4 (3 points — 0.25 point each)

Complete the table below

Process	What happens	Location		Product
		Eucaryotic cell	Procaryotic cell	
Replication	<i>DNA copies itself</i>	Nucleus	Cytoplasm	DNA
Transcription	<i>DNA $\longrightarrow$ mRNA</i>	Nucleus	Cytoplasm	mRNA
Translation	<i>mRNA $\longrightarrow$ Protein</i>	Cytoplasm	Cytoplasm	Protein

Exercise 5 (4 points)

Fill in the gaps with the appropriate prefix or suffix in the following sentences

- 1 **Autotrophs** are organisms which create their own food using inorganic materials. **(1 point)**
2. **Prototrophs** which are organisms that can not produce their own food and require consumption of other organisms to live. **(1 point)**
3. **Carditis** is an inflammation of the heart **(1 point)**
4. A **halophile** is an organism that can thrive in a high-salinity environment. **(1 point)**

biochimie/Semestre 6/Anglais scientifique/								
Matricule	Note	Absent	Absence Justifiée	Observation	Section	Groupe		
232334058118	10,75					SECTION 01/Groupe 02		
232334093206	16,75					SECTION 01/Groupe 02		
232334031606	12,75					SECTION 01/Groupe 01		
232334067909	11,75					SECTION 01/Groupe 02		
232334045117	12,75					SECTION 01/Groupe 01		
232334072404	13,25					SECTION 01/Groupe 01		
232334097310	8,25					SECTION 01/Groupe 02		
232334009215	15					SECTION 01/Groupe 01		
232334096812	18					SECTION 01/Groupe 01		
232334091508	10					SECTION 01/Groupe 01		
2502411710	0					SECTION 01/Groupe 02		
2500404349	14					SECTION 01/Groupe 02		
232334044510	13,75					SECTION 01/Groupe 02		
232334093504	13,75					SECTION 01/Groupe 01		
232334045015	8,75					SECTION 01/Groupe 02		
232334008305	13,75					SECTION 01/Groupe 02		
232334018004	10					SECTION 01/Groupe 02		
222234030502	14,75					SECTION 01/Groupe 01		
232334093902	8,25					SECTION 01/Groupe 01		
222234006706	0					SECTION 01/Groupe 01		
222234086105	11					SECTION 01/Groupe 02		
232334032016	12,25					SECTION 01/Groupe 02		
232334048505	11,5					SECTION 01/Groupe 02		
232334005812	11					SECTION 01/Groupe 01		
222234005502	10,5					SECTION 01/Groupe 01		
232334052312	14,5					SECTION 01/Groupe 02		
232334039904	11,25					SECTION 01/Groupe 01		
232334058101	18,5					SECTION 01/Groupe 01		
232334029603	13,25					SECTION 01/Groupe 02		
232334040409	13					SECTION 01/Groupe 01		
222234048116	13					SECTION 01/Groupe 01		

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