

MINISTRY OF EDUCATION, HERITAGE AND ARTS
YEAR 12 BIOLOGY
REVISION WORKSHEET 9

Write the answers to the following questions in your exercise/activity books.

Excretion and Osmoregulation in Plants and Animals

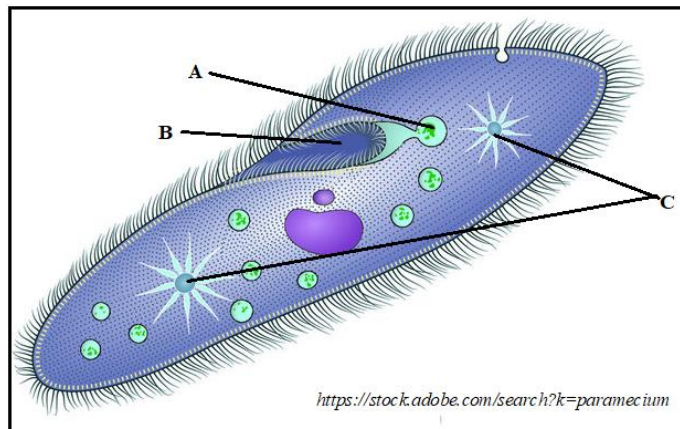
1. Define the terms **excretion** and **osmoregulation**. **(2 marks)**

2. In 50-100 words, discuss excretion in plants. In your response, name the excretory products, describe how they are removed from the plant. Also discuss **abscission** in your response. **(5 marks)**

3. Fill in the table below regarding excretion in animals. **(6 marks)**

Organism	Habitat	Excretory Organ	Waste
Cockroaches	Terrestrial	(i)	(ii)
(iii)	Aquatic	Kidneys	(iv)
Earthworm	Terrestrial	(iv)	(v)
Marine Fish	Aquatic	(vi)	Salt

4. Study the diagram of the *Paramecium* given below.



- (i) Name the parts labelled A to C. **(3 marks)**

- (ii) Identify the part responsible for osmoregulation in the *Paramecium*. **(1 mark)**

- (iii) Explain how the part identified in (ii) above removes excess water from the *Paramecium*'s body. **(2 marks)**

The End