

APOLLO

Diversity of organisms

HL

Biology

First assessment 2025

3 questions | questions

13. The table shows features of three types of cells (X, Y and Z).

Feature	Cell		
	X	Y	Z
Cell wall	absent	present	present
Centrioles	present	absent	absent
Large vacuole	absent	present	present
Plastids	absent	present	absent

To which kingdom do each of the cells belong?

	X	Y	Z
A.	Animal	Fungi	Plant
B.	Fungi	Animal	Protist
C.	Animal	Plant	Fungi
D.	Protist	Animal	Plant

Turn over

34. The image shows *Prorocentrum*, a coastal dinoflagellate that obtains energy from sunlight and from other organisms.



What best describes the mode of nutrition of *Prorocentrum*?

- A. Mixotrophic
- B. Autotrophic
- C. Holozoic
- D. Heterotrophic

35. What describes holozoic nutrition?

	Nutrition type	Digestion
A.	chemoautotrophic	none
B.	photoautotrophic	none
C.	saprotrophic	external
D.	heterotrophic	internal