

Asexual vs sexual reproduction

Q1.(2019)

Mitosis and meiosis are processes that produce new cells.

Compare the outcomes of mitosis and meiosis.

(3)

Q2.(2021)

6 (a) Figure 9 shows a sperm cell.

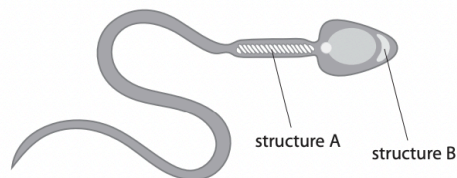


Figure 9

Describe how structure A and structure B enable fertilisation.

(2)

structure A

structure B

Q3.(2023)

Name the type of reproduction that produces genetically identical organisms.

(1)

Q4.a(2023)

Figure 3 shows a diagram of a mouse sperm cell.

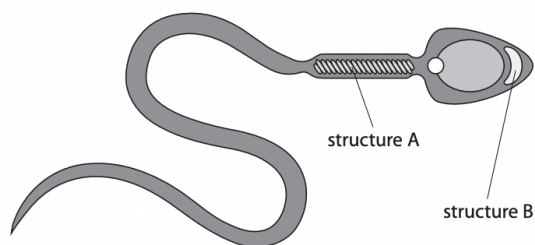


Figure 3

(i) Which row of the table shows the functions of structure A and structure B?

(1)

	function of structure A	function of structure B
☒ A	releases energy	contains the genetic material
☒ B	produces glucose	contains digestive enzymes
☒ C	releases energy	contains digestive enzymes
☒ D	produces glucose	contains the genetic material

Q4.b(2023)

The diploid chromosome number for a mouse is 40.

State the number of chromosomes in a mouse sperm cell.

(1)

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