

23 A gardener has a strawberry plant that produces large, sweet fruits.

How does the gardener grow more strawberry plants that **all** produce large, sweet fruits?

- A** Use asexual reproduction to produce offspring with no genetic variation.
- B** Use asexual reproduction to produce seeds that will grow into new plants.
- C** Use sexual reproduction and self-pollination as they only have one plant.
- D** Use sexual reproduction to reduce variation in the offspring.

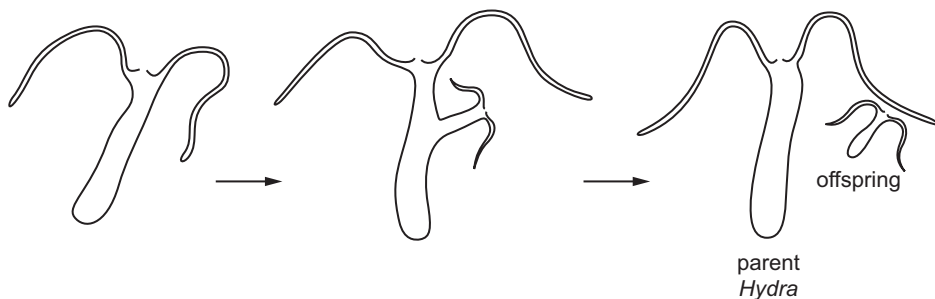
IGCSE Biology: **w25 22**

23 What is an example of asexual reproduction?

- A** a single bacterium dividing to produce two genetically identical bacteria
- B** a mammal giving birth to four offspring
- C** a female bird laying six eggs which will hatch into the same species
- D** a tomato plant producing fruits which contain many seeds

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27 The diagram shows one parent *Hydra* growing and releasing an offspring from the side of its body.



Which row is correct?

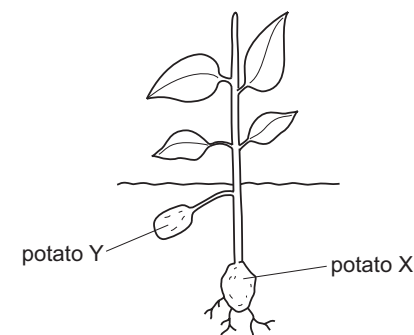
	parent and offspring are genetically identical	involves asexual reproduction
A	yes	yes
B	yes	no
C	no	yes
D	no	no

28 What are the characteristics of asexual reproduction?

	fusion of gamete nuclei	genetic variety in the offspring
A	yes	yes
B	yes	no
C	no	yes
D	no	no

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27 The diagram shows reproduction in a potato plant. Potato X was planted into the ground and a plant grew from it. The plant then produced potato Y.



Which statement is correct?

- A** X and Y are genetically different.
- B** Y was produced by asexual reproduction.
- C** Y was produced by sexual reproduction.
- D** Y was produced by the fusion of gametes.