

16. Reproduction

Starter Quiz · 课前小测

IGCSE Biology

Name: _____ Score: _____

1. Asexual reproduction needs how many parents?
☐ one
☐ two
☐ three
☐ none
2. Gametes are:
☐ sex cells with half the chromosome number
☐ identical to body cells
☐ made by one parent only
☐ the same as zygotes
3. Pollen is produced by the:
☐ anther
☐ stigma
☐ ovary
☐ style
4. After landing on the stigma, a pollen grain grows a:
☐ pollen tube down to the ovule
☐ root
☐ leaf
☐ new flower
5. Sperm are produced in the:
☐ testes
☐ ovaries
☐ uterus
☐ oviduct
6. Which reproduce asexually? (Select all that apply.)
☐ bacteria dividing in two
☐ a plant growing runners

- ☐ a plant grown from a cutting
- ☐ a baby from two parents

Tick every correct option.

7. Which conditions does a seed need to germinate? (Select all that apply.)
☐ water
☐ oxygen
☐ a suitable temperature
☐ light

Tick every correct option.
8. In the placenta, the mother's and baby's blood flow close but do not mix.
☐ True ☐ False
9. A disadvantage of asexual reproduction is a lack of variation.
☐ True ☐ False
10. The cell formed when two gametes fuse is called a zygote.
☐ True ☐ False

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Answers · 答案

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1. **one**

Only one parent is needed.

2. **sex cells with half the chromosome number**

Gametes carry half the chromosomes.

3. **anther**

The anther (part of the stamen) makes pollen.

4. **pollen tube down to the ovule**

The pollen tube carries the male nucleus to the ovule.

5. **testes**

The testes make sperm and testosterone.

6. **bacteria dividing in two; a plant growing runners; a plant grown from a cutting**

A baby from two parents is sexual reproduction.

7. **water; oxygen; a suitable temperature**

Seeds need water, oxygen and warmth — not light at first.

8. **True**

Substances pass by diffusion across a barrier.

9. **True**

Identical offspring are all equally vulnerable to the same threat.

10. **True**

The zygote grows into a new organism.