

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

IGCSE Biology

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.