

MEMBER OF THE GROUP

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Gametes and Fertilization

- 1.The specialized sex cells involved in reproduction are called _____.
- 2.The process of a sperm cell uniting with an egg cell is known as _____.
- 3.The fertilized egg that forms after fertilization is called a _____.
- 1.Explain how fertilization leads to genetic variation in offspring

SEX DETERMINATION

- 1.Chromosomes that determine an individual's sex are called _____ chromosomes.
- 2.Females have two _____ sex chromosomes, while males have one _____ and one _____ sex chromosome.
- 3.The sex of a child is determined by the _____ chromosome in the sperm cell.

Genetic Variation

1. Differences in DNA among individuals of the same species are referred to as _____.
2. The process of creating gametes with unique combinations of genes is called _____.
3. How does random fertilization contribute to genetic variation?

Short Answer

Explain the importance of genetic variation for a species.