

How Do Living Things Sexually Reproduce?

Learning Guide

Male gametes are called _____ and are produced in the _____.

Female gametes are called _____ and are produced in the _____.

What is a zygote?

How does the process of fertilization occur?

Number of chromosomes:

| | |
|--|--|
| Human cells are diploid meaning that they have | Human gametes are haploid meaning that they have |
|--|--|

In comparison, strawberries are octoploid meaning that they have:

Development of Human Zygote:

Human development begins at fertilization:

A _____ divides by _____ within _____ hours of fertilization.

Human pregnancy is divided into two stages:

| | |
|------------------------------|--------------------------|
| Embryonic Stage: _____ weeks | Fetal Stage: _____ weeks |
|------------------------------|--------------------------|

Sexual Reproduction Takes Many Forms:

Sexual Reproduction Features:

Include in the box, where the egg is fertilized and how the offspring get nutrients

| |
|---------|
| Mammals |
| Insects |
| Fungi |
| Fish |
| Birds |
| Plants |

Compare (things that are the same) and Contrast (things that are different) sexual reproduction in different organisms.

[Expect a long form question of this type on the test worth 5-10 marks. Make sure you give enough points to get all the marks]