

GENES AND CHROMOSOMES

Fill in the missing words:

Characteristics that are passed on from parents to their children are _____.

When an organism reproduces _____, both the parent and the offspring have the same _____.

When organisms reproduce sexually, the offspring inherit _____ the genes and chromosomes from the _____ and the other half from the _____.

The material found in the nucleus of an egg and a sperm are _____ for the characteristics of the offspring.

This material in the _____ is known as chromosomes.

All organisms have a _____ number of chromosomes that determine all the characteristics of an organism.

Every body _____ in a human contains only _____ chromosomes (23 pairs).

Each sex cell (gamete), egg or _____ contains 23 chromosomes.

When the egg and the sperm unite, the new fertilised cell (the zygote) has _____ chromosomes.

All humans have 23 pairs of chromosomes.

The 23rd pair is known as the _____ chromosomes.

In a male human, the sex chromosomes are _____, and in a female human, the _____ chromosomes are XX.

Because each sex cell contains only half the number of chromosomes (1 of each _____), sperm cells contain either an X or a _____ chromosome.

All egg cells contain an _____ chromosome.

The parent who determines the sex of the child is the _____.

The chance of having a daughter is the same as that of having a _____.