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 __________.