

Sex Determination

phenomenon of decision or determination of sex of an offspring.

Factors

Responsible for sex Determination



Environmental

In some animals the temperature at which the fertilised eggs are kept decides the gender.

Eg: in Turtle

Genetic

In some animals like humans gender (or) individual is determined by a pair of chromosomes called Sex chromosome.

$\begin{matrix} \boxed{XX} \\ \boxed{XY} \end{matrix}$

- female
- Male

Sex chromosomes: In human beings there are 23 pairs of chromosome. out of these 22 chromosomes pairs are called autosomes and the last pair of chromosomes that help in deciding gender of that individual are called sex chromosomes.

XX - female

XY - male