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each species has its own characteristic number of chromosomes humans for instance have 46 chromosomes in a typical body cell somatic cell while dogs have 78 1 like many species of animals and plants humans are diploid  $2n$  meaning that most of their chromosomes come in matched sets known as homologous pairs

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humans have 23 pairs of chromosomes for a total of 46 chromosomes in fact each species of plants and

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key points every species has its own specific number of chromosomes for example humans have 46 chromosomes in a typical body cell many species have chromosomes that come in matched pairs for example the 46 chromosomes in a human cell can be organized into 23 pairs

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our genetic information is stored in 23 pairs of chromosomes that vary widely in size and shape chromosome 1 is the largest and is over three times bigger than chromosome 22 the 23rd pair of chromosomes are two special chromosomes x and y that determine our sex

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information chromosomes come in pairs normally each cell in the human body has 23 pairs of chromosomes 46 total chromosomes half come from the mother the other half come from the father two of the chromosomes the x and the y chromosome are called sex chromosomes and in almost all people females have 2 x chromosomes

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human chromosomes are located inside the nucleus of the cell a chromosome is a structure that holds your genes your genes determine your traits such as eye color and blood type click image to enlarge the usual number of chromosomes inside every cell of your body is 46 total chromosomes or 23 pairs

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