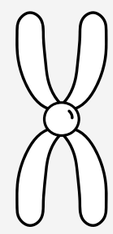
DNA e Hereditariedade



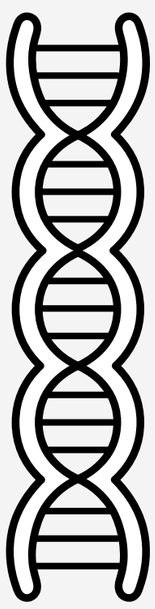




CÉLULA
Unidade básica da vida



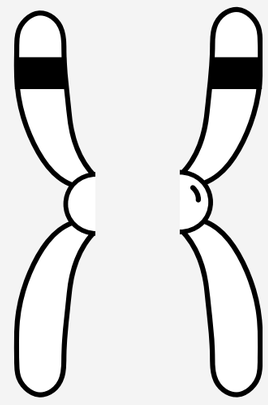
CROMOSSOMO
feixes de DNA firmemente enrolados encontrados no núcleo



DNA
(ácido desoxirribonucleico)
contém o código genético

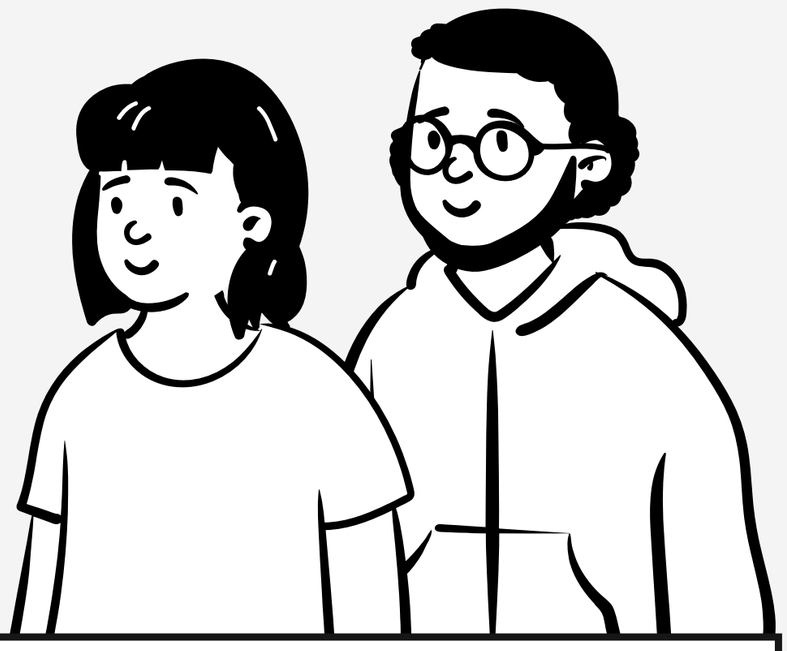
GENE
contém instruções que determinam traços individuais



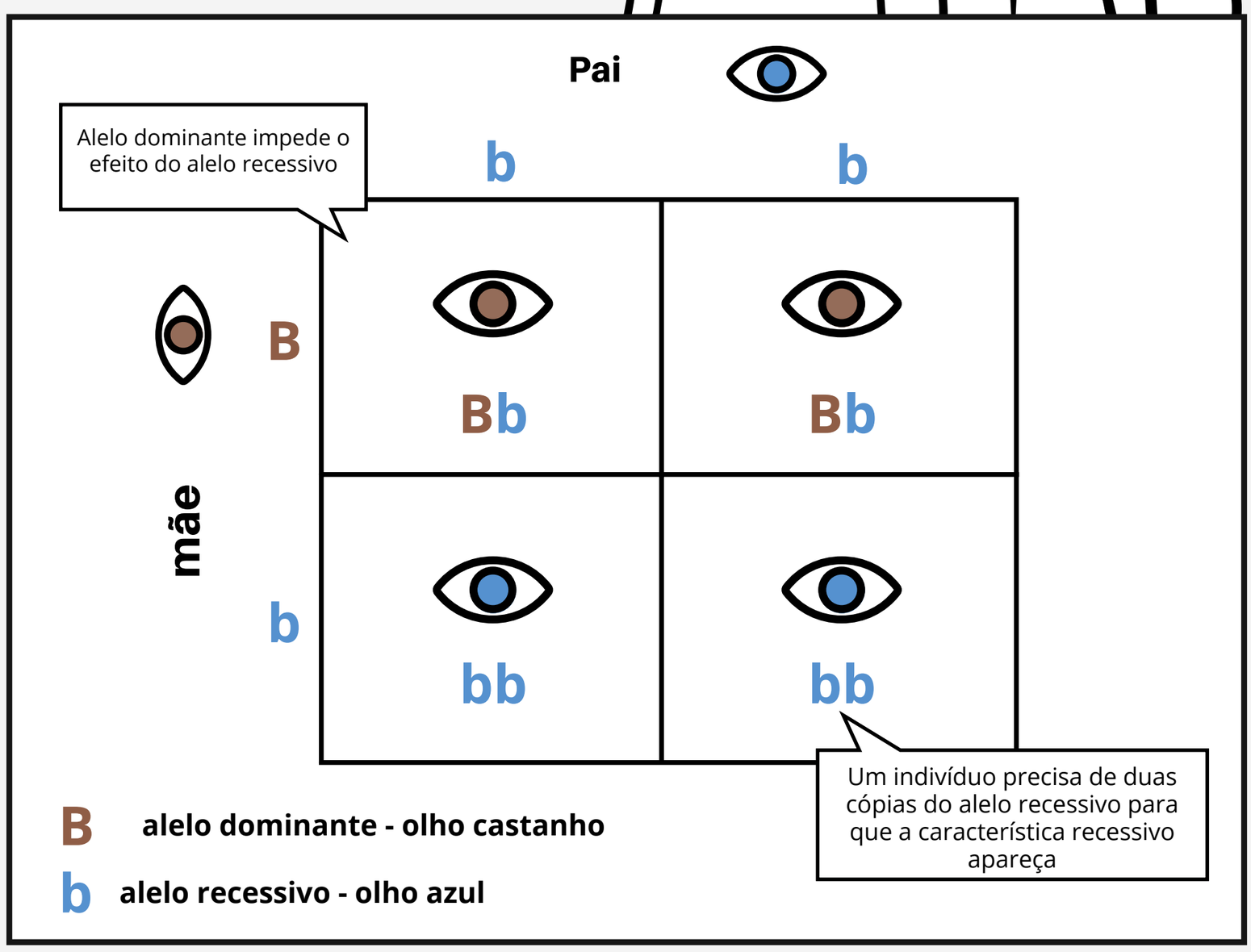


ALELO
uma forma alternativa de um gene

Os indivíduos herdam dois alelos - um de cada pai



Alelo dominante e recessivo





DNA e Hereditariedade





CÉLULA
Unidade básica da vida



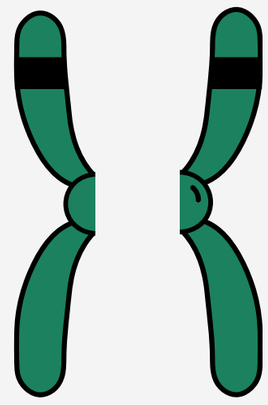
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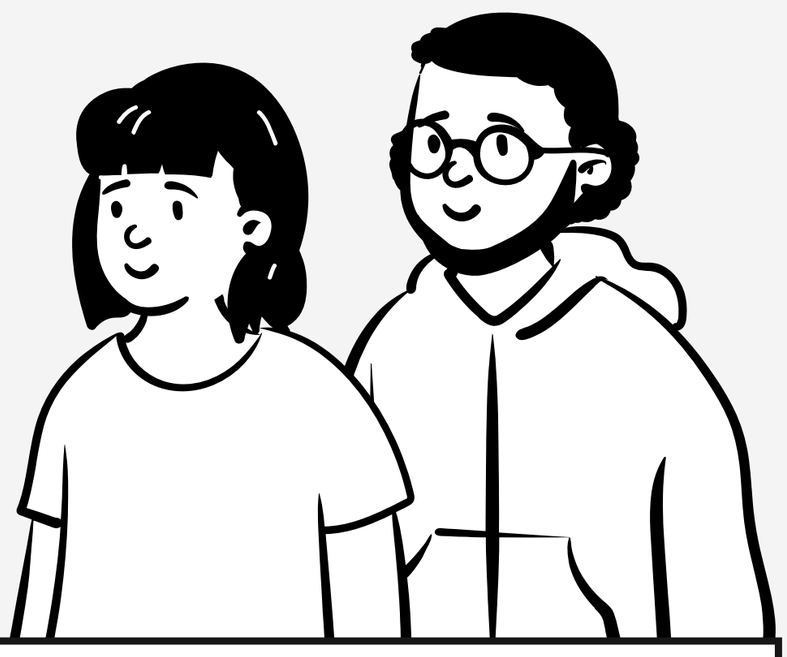
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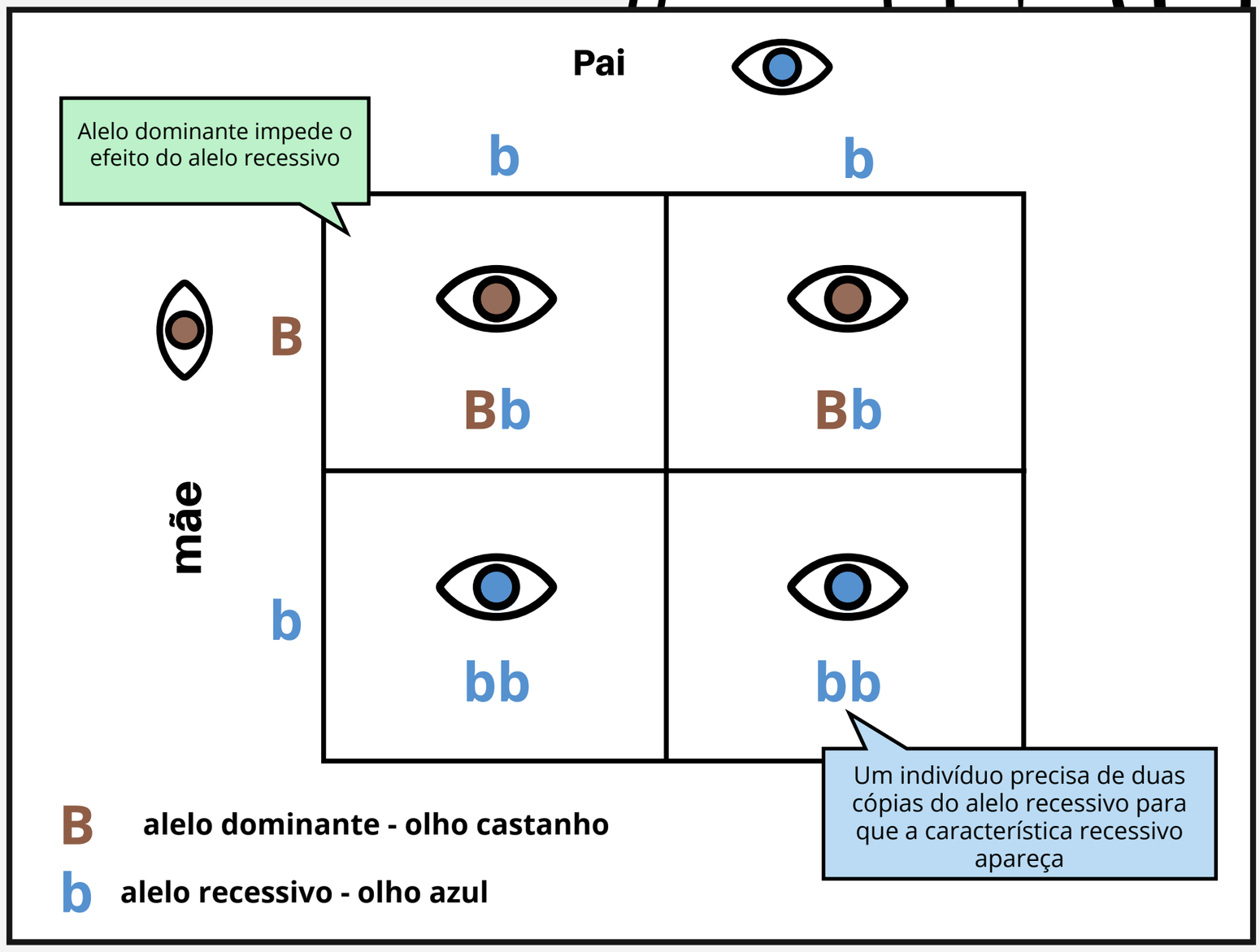


ALELO
uma forma alternativa de um gene

Os indivíduos herdam dois alelos - um de cada pai



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DNA and Human Inheritance





CELL
basic building block
of living things



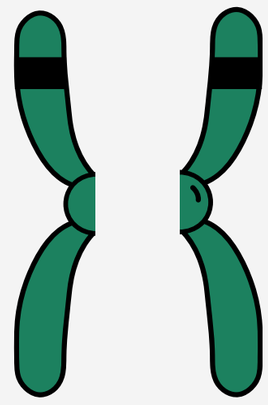
CHROMOSOME
bundles of tightly-coiled DNA
found in the nucleus



DNA
(deoxyribonucleic acid)
contains the genetic code

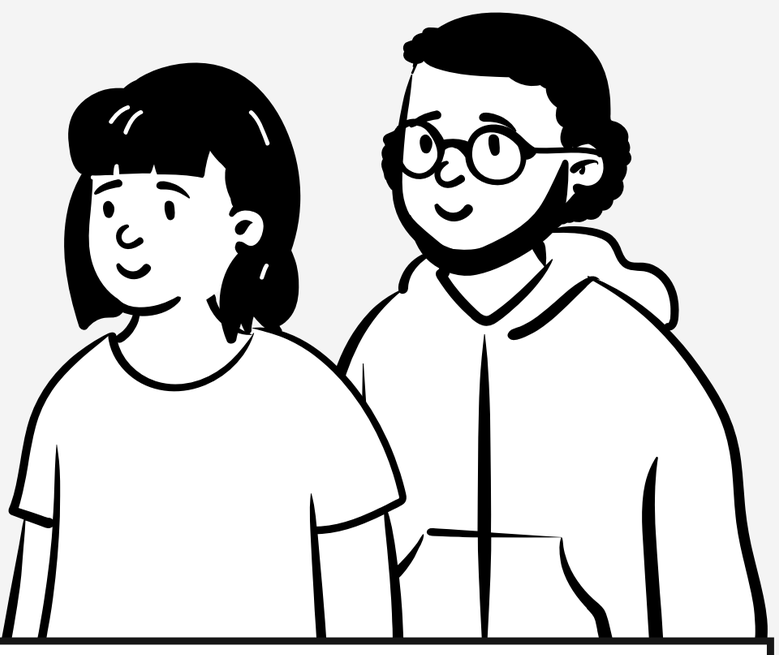
GENE
contains instructions
that determine
individual traits





ALLELE
an alternative form
of a gene

Individuals inherit two alleles—one from each parent



Dominant and Recessive Alleles

Parent 2

Dominant allele masks the effect of the recessive allele

Parent 1 \ Parent 2	b	b
B	Bb	Bb
b	bb	bb

B dominant brown eye allele

b recessive blue eye allele

An individual needs two copies of the recessive allele for a recessive trait to appear