

Individuals get their traits from their parents.

Dad + Mom
↓
Baby

Parents

Detailed description: A hand-drawn diagram on lined paper. At the top left, a solid black jaguar is labeled 'Dad'. To its right is a plus sign, followed by a spotted jaguar labeled 'Mom'. A downward-pointing arrow leads to a solid black jaguar labeled 'Baby'. To the right of the parents is the text 'Individuals get their traits from their parents.' Below the diagram is the word 'Parents' in large blue font.

your traits are caused by your genes. whichever gene you get determines which trait you will have.

black gene → black jaguar

spotted gene → spotted jaguar

Genes

Detailed description: A hand-drawn diagram on lined paper. On the left, there is a paragraph: 'your traits are caused by your genes. whichever gene you get determines which trait you will have.' To the right, there are two rows. The top row shows a DNA double helix icon labeled 'black gene' with an arrow pointing to a solid black jaguar labeled 'black jaguar'. The bottom row shows a DNA double helix icon labeled 'spotted gene' with an arrow pointing to a spotted jaguar labeled 'spotted jaguar'. Below the diagram is the word 'Genes' in large blue font.

Some individuals look different than the rest of their population because they got a mutation.

mutation

Mutation

Detailed description: A hand-drawn diagram on lined paper. On the left is a spotted jaguar's head. A large arrow labeled 'mutation' points to the right, where a solid black jaguar's head is shown. Below the diagram is the word 'Mutation' in large blue font.