

GENETICS

B	I	N	G	O
Straight Hair	No Cleft Chin	CAN Roll My Tongue	Freckles	Straight Hairline
I Cross My Left Thumb Over My Right When I Clasp My Hands	Same Eye Color as My Father	Allergies	Free Earlobes	I Share a Trait with the Person to my Right
No Freckles	Curly Hair	FREE	Left-Handed	Dimples
Attached Earlobes	Widow's Peak	I Cross My Right Thumb Over My Left When I Clasp My Hands	Can NOT Roll My Tongue	I Share a Trait with the Person to my Left
No Dimples	Right-Handed	No Freckles	Different Eye Color Than My Mother	Cleft Chin

GENETICS

B	I	N	G	O
Straight Hair	No Cleft Chin	CAN Roll My Tongue	Freckles	Straight Hairline
I Cross My Left Thumb Over My Right When I Clasp My Hands	Same Eye Color as My Father	Allergies	Dimples	I Share a Trait with the Person to my Right
No Freckles	Can NOT Roll My Tongue	FREE	Left-Handed	Attached Earlobes
No Dimples	Widow's Peak	I Cross My Right Thumb Over My Left When I Clasp My Hands	Curly Hair	I Share a Trait with the Person to my Left
Free Earlobes	Right-Handed	No Freckles	Different Eye Color Than My Mother	Cleft Chin

GENETICS

B	I	N	G	O
Straight Hair	No Dimples	CAN Roll My Tongue	Freckles	Same Eye Color as My Father
Right-Handed	Straight Hairline	Allergies	Free Earlobes	I Share a Trait with the Person to my Right
No Freckles	Curly Hair	FREE	Left-Handed	Dimples
Attached Earlobes	Widow's Peak	I Cross My Right Thumb Over My Left When I Clasp My Hands	Can NOT Roll My Tongue	I Share a Trait with the Person to my Left
No Cleft Chin	I Cross My Left Thumb Over My Right When I Clasp My Hands	No Freckles	Different Eye Color Than My Mother	Cleft Chin

GENETICS

B	I	N	G	O
Right-Handed	No Cleft Chin	CAN Roll My Tongue	No Freckles	Straight Hairline
I Cross My Left Thumb Over My Right When I Clasp My Hands	Same Eye Color as My Father	Widow's Peak	Free Earlobes	I Share a Trait with the Person to my Right
No Freckles	Curly Hair	FREE	Left-Handed	Dimples
Attached Earlobes	Allergies	I Cross My Right Thumb Over My Left When I Clasp My Hands	Can NOT Roll My Tongue	I Share a Trait with the Person to my Left
No Dimples	Straight Hair	Freckles	Different Eye Color Than My Mother	Cleft Chin

GENETICS

B	I	N	G	O
Straight Hair	Cleft Chin	CAN Roll My Tongue	Freckles	Straight Hairline
I Cross My Left Thumb Over My Right When I Clasp My Hands	Same Eye Color as My Father	Allergies	Free Earlobes	No Freckles
I Share a Trait with the Person to my Right	Curly Hair	FREE	I Cross My Right Thumb Over My Left When I Clasp My Hands	Dimples
Attached Earlobes	Widow's Peak	Left-Handed	Can NOT Roll My Tongue	I Share a Trait with the Person to my Left
No Dimples	Right-Handed	No Freckles	Different Eye Color Than My Mother	No Cleft Chin

GENETICS

B	I	N	G	O
Curly Hair	Cleft Chin	CAN Roll My Tongue	Freckles	Straight Hairline
I Cross My Left Thumb Over My Right When I Clasp My Hands	Same Eye Color as My Father	Allergies	Attached Earlobes	I Share a Trait with the Person to my Right
No Freckles	Straight Hair	FREE	Right-Handed	No Dimples
Free Earlobes	Widow's Peak	I Cross My Right Thumb Over My Left When I Clasp My Hands	Can NOT Roll My Tongue	I Share a Trait with the Person to my Left
Dimples	Left-Handed	No Freckles	Different Eye Color Than My Mother	No Cleft Chin

GENETICS

B	I	N	G	O
Widow's Peak	No Cleft Chin	Can NOT Roll My Tongue	No Freckles	Straight Hairline
I Cross My Left Thumb Over My Right When I Clasp My Hands	Straight Hair	Allergies	Free Earlobes	I Share a Trait with the Person to my Right
Freckles	Curly Hair	FREE	Left-Handed	Widow's Peak
Attached Earlobes	Dimples	I Cross My Right Thumb Over My Left When I Clasp My Hands	CAN Roll My Tongue	I Share a Trait with the Person to my Left
No Dimples	Right-Handed	No Freckles	Different Eye Color Than My Mother	Cleft Chin

GENETICS

B	I	N	G	O
I Cross My Right Thumb Over My Left When I Clasp My Hands	No Cleft Chin	CAN Roll My Tongue	Freckles	Straight Hairline
I Cross My Left Thumb Over My Right When I Clasp My Hands	Same Eye Color as My Father	Attached Earlobes	Free Earlobes	Right-Handed
No Freckles	Curly Hair	FREE	Left-Handed	Dimples
Allergies	Widow's Peak	Straight Hair	Can NOT Roll My Tongue	I Share a Trait with the Person to my Left
No Dimples	I Share a Trait with the Person to my Right	No Freckles	Different Eye Color Than My Mother	Cleft Chin

GENETICS

B	I	N	G	O
Curly Hair	I Cross My Left Thumb Over My Right When I Clasp My Hands	CAN Roll My Tongue	Freckles	Straight Hairline
No Cleft Chin	Same Eye Color as My Father	Allergies	Free Earlobes	I Share a Trait with the Person to my Right
No Freckles	Straight Hair	FREE	Left-Handed	Different Eye Color Than My Mother
Attached Earlobes	Widow's Peak	I Cross My Right Thumb Over My Left When I Clasp My Hands	Can NOT Roll My Tongue	I Share a Trait with the Person to my Left
No Dimples	Right-Handed	No Freckles	Dimples	Cleft Chin

GENETICS

B	I	N	G	O
Straight Hair	No Cleft Chin	CAN Roll My Tongue	Freckles	Straight Hairline
I Cross My Left Thumb Over My Right When I Clasp My Hands	Same Eye Color as My Father	I Share a Trait with the Person to my Right	Free Earlobes	Widow's Peak
No Freckles	Curly Hair	FREE	Left-Handed	Dimples
Attached Earlobes	I Share a Trait with the Person to my Right	I Cross My Right Thumb Over My Left When I Clasp My Hands	Can NOT Roll My Tongue	Allergies
No Dimples	Right-Handed	No Freckles	Different Eye Color Than My Mother	Cleft Chin

GENETICS

B	I	N	G	O
Allergies	No Cleft Chin	CAN Roll My Tongue	No Freckles	Straight Hairline
I Cross My Left Thumb Over My Right When I Clasp My Hands	Same Eye Color as My Father	Curly Hair	Right-Handed	I Share a Trait with the Person to my Right
Freckles	Straight Hair	FREE	Left-Handed	Dimples
Attached Earlobes	Widow's Peak	I Cross My Right Thumb Over My Left When I Clasp My Hands	Can NOT Roll My Tongue	I Share a Trait with the Person to my Left
No Dimples	Free Earlobes	No Freckles	Different Eye Color Than My Mother	Cleft Chin

GENETICS

B	I	N	G	O
Straight Hair	No Cleft Chin	CAN Roll My Tongue	Freckles	Cleft Chin
I Cross My Left Thumb Over My Right When I Clasp My Hands	Straight Hairline	Allergies	Free Earlobes	I Share a Trait with the Person to my Right
Right-Handed	Curly Hair	FREE	Left-Handed	Dimples
Attached Earlobes	Widow's Peak	I Cross My Right Thumb Over My Left When I Clasp My Hands	Can NOT Roll My Tongue	I Share a Trait with the Person to my Left
No Dimples	Dimples	No Freckles	Different Eye Color Than My Mother	No Freckles

GENETICS

B	I	N	G	O
Widow's Peak	No Cleft Chin	CAN Roll My Tongue	Freckles	Straight Hairline
I Cross My Left Thumb Over My Right When I Clasp My Hands	Same Eye Color as My Father	I Cross My Right Thumb Over My Left When I Clasp My Hands	Free Earlobes	I Share a Trait with the Person to my Right
I Share a Trait with the Person to my Left	Curly Hair	FREE	Left-Handed	Dimples
Attached Earlobes	Straight Hair	Allergies	Can NOT Roll My Tongue	No Freckles
No Dimples	Right-Handed	No Freckles	Different Eye Color Than My Mother	Cleft Chin

GENETICS

B	I	N	G	O
Left-Handed	No Cleft Chin	CAN Roll My Tongue	Freckles	Straight Hairline
I Cross My Left Thumb Over My Right When I Clasp My Hands	Different Eye Color Than My Mother	Allergies	Free Earlobes	I Share a Trait with the Person to my Right
No Freckles	Curly Hair	FREE	Straight Hair	Dimples
Cleft Chin	Widow's Peak	I Cross My Right Thumb Over My Left When I Clasp My Hands	Can NOT Roll My Tongue	I Share a Trait with the Person to my Left
No Dimples	Right-Handed	No Freckles	Same Eye Color as My Father	Attached Earlobes

GENETICS

B	I	N	G	O
Straight Hair	No Cleft Chin	CAN Roll My Tongue	Freckles	Straight Hairline
I Cross My Left Thumb Over My Right When I Clasp My Hands	Same Eye Color as My Father	Allergies	Free Earlobes	I Share a Trait with the Person to my Right
Cleft Chin	Can NOT Roll My Tongue	FREE	Left-Handed	No Dimples
Attached Earlobes	Widow's Peak	I Cross My Right Thumb Over My Left When I Clasp My Hands	Curly Hair	I Share a Trait with the Person to my Left
Dimples	Right-Handed	No Freckles	Different Eye Color Than My Mother	No Freckles

GENETICS

B	I	N	G	O
Straight Hair	Dimples	CAN Roll My Tongue	Freckles	Straight Hairline
Right-Handed	Same Eye Color as My Father	I Share a Trait with the Person to my Left	Free Earlobes	I Share a Trait with the Person to my Right
No Freckles	Curly Hair	FREE	I Cross My Left Thumb Over My Right When I Clasp My Hands	No Cleft Chin
Attached Earlobes	Widow's Peak	I Cross My Right Thumb Over My Left When I Clasp My Hands	Can NOT Roll My Tongue	Allergies
No Dimples	Left-Handed	No Freckles	Different Eye Color Than My Mother	Cleft Chin

GENETICS

B	I	N	G	O
Cleft Chin	No Cleft Chin	CAN Roll My Tongue	Freckles	Widow's Peak
I Cross My Left Thumb Over My Right When I Clasp My Hands	Same Eye Color as My Father	No Freckles	Attached Earlobes	I Share a Trait with the Person to my Right
Allergies	Curly Hair	FREE	Left-Handed	Dimples
Free Earlobes	Straight Hairline	I Cross My Right Thumb Over My Left When I Clasp My Hands	Can NOT Roll My Tongue	I Share a Trait with the Person to my Left
No Dimples	Right-Handed	No Freckles	Different Eye Color Than My Mother	Straight Hair

GENETICS

B	I	N	G	O
Different Eye Color Than My Mother	Cleft Chin	CAN Roll My Tongue	Freckles	Straight Hairline
Dimples	Same Eye Color as My Father	Allergies	Free Earlobes	I Share a Trait with the Person to my Right
No Freckles	Curly Hair	FREE	No Dimples	I Cross My Left Thumb Over My Right When I Clasp My Hands
Attached Earlobes	Widow's Peak	I Cross My Right Thumb Over My Left When I Clasp My Hands	Can NOT Roll My Tongue	I Share a Trait with the Person to my Left
Left-Handed	Right-Handed	No Freckles	Straight Hair	No Cleft Chin

GENETICS

B	I	N	G	O
Straight Hairline	I Share a Trait with the Person to my Left	CAN Roll My Tongue	Freckles	Straight Hair
I Cross My Left Thumb Over My Right When I Clasp My Hands	Left-Handed	Allergies	Free Earlobes	I Share a Trait with the Person to my Right
No Freckles	Curly Hair	FREE	Same Eye Color as My Father	I Cross My Right Thumb Over My Left When I Clasp My Hands
Attached Earlobes	Widow's Peak	Dimples	Can NOT Roll My Tongue	No Cleft Chin
No Dimples	Right-Handed	No Freckles	Different Eye Color Than My Mother	Cleft Chin

GENETICS

B	I	N	G	O
Straight Hair	No Cleft Chin	CAN Roll My Tongue	Freckles	Straight Hairline
Cleft Chin	Same Eye Color as My Father	Curly Hair	Widow's Peak	I Share a Trait with the Person to my Right
No Freckles	Allergies	FREE	Left-Handed	Dimples
Attached Earlobes	Free Earlobes	I Cross My Right Thumb Over My Left When I Clasp My Hands	Can NOT Roll My Tongue	I Share a Trait with the Person to my Left
No Dimples	Right-Handed	No Freckles	Different Eye Color Than My Mother	I Cross My Left Thumb Over My Right When I Clasp My Hands

GENETICS

B	I	N	G	O
Straight Hair	I Share a Trait with the Person to my Left	CAN Roll My Tongue	Freckles	Straight Hairline
Left-Handed	Same Eye Color as My Father	Allergies	Free Earlobes	I Share a Trait with the Person to my Right
No Freckles	Curly Hair	FREE	I Cross My Left Thumb Over My Right When I Clasp My Hands	Dimples
Attached Earlobes	Widow's Peak	No Dimples	Can NOT Roll My Tongue	No Cleft Chin
I Cross My Right Thumb Over My Left When I Clasp My Hands	Right-Handed	No Freckles	Different Eye Color Than My Mother	Cleft Chin

GENETICS

B	I	N	G	O
Straight Hair	No Cleft Chin	CAN Roll My Tongue	Freckles	I Cross My Right Thumb Over My Left When I Clasp My Hands
I Cross My Left Thumb Over My Right When I Clasp My Hands	Same Eye Color as My Father	Allergies	Free Earlobes	I Share a Trait with the Person to my Right
No Freckles	Curly Hair	FREE	Left-Handed	Dimples
Attached Earlobes	Different Eye Color Than My Mother	Straight Hairline	Can NOT Roll My Tongue	I Share a Trait with the Person to my Left
No Dimples	Right-Handed	No Freckles	Widow's Peak	Cleft Chin

GENETICS

B	I	N	G	O
Left-Handed	No Cleft Chin	CAN Roll My Tongue	Dimples	Straight Hairline
Can NOT Roll My Tongue	Same Eye Color as My Father	Allergies	Free Earlobes	I Share a Trait with the Person to my Right
No Freckles	Curly Hair	FREE	Cleft Chin	Freckles
Attached Earlobes	Widow's Peak	I Cross My Right Thumb Over My Left When I Clasp My Hands	I Cross My Left Thumb Over My Right When I Clasp My Hands	I Share a Trait with the Person to my Left
No Dimples	Right-Handed	No Freckles	Different Eye Color Than My Mother	Straight Hair

GENETICS

B	I	N	G	O
Straight Hair	No Cleft Chin	Right-Handed	No Dimples	Straight Hairline
I Cross My Left Thumb Over My Right When I Clasp My Hands	Cleft Chin	Allergies	Free Earlobes	No Freckles
I Share a Trait with the Person to my Right	Curly Hair	FREE	Left-Handed	Dimples
Attached Earlobes	Widow's Peak	I Cross My Right Thumb Over My Left When I Clasp My Hands	Can NOT Roll My Tongue	I Share a Trait with the Person to my Left
Freckles	CAN Roll My Tongue	No Freckles	Different Eye Color Than My Mother	Same Eye Color as My Father

GENETICS

B	I	N	G	O
Can NOT Roll My Tongue	Cleft Chin	CAN Roll My Tongue	Freckles	Straight Hairline
I Cross My Left Thumb Over My Right When I Clasp My Hands	Same Eye Color as My Father	Different Eye Color Than My Mother	Free Earlobes	I Share a Trait with the Person to my Right
No Freckles	Curly Hair	FREE	Left-Handed	Dimples
Attached Earlobes	Widow's Peak	I Cross My Right Thumb Over My Left When I Clasp My Hands	Straight Hair	I Share a Trait with the Person to my Left
No Dimples	Right-Handed	No Freckles	Allergies	No Cleft Chin

Genetic Bingo Trait Descriptions:

1. Free Square
2. Freckles:
Freckles are small, concentrated areas of a pigment called melanin in your skin. Melanin is the pigment that gives your hair, skin, and eyes their color. In some people, the cells that make melanin (known as melanocytes) are spread out evenly throughout their skin. This means they tan well. Others have melanocytes in clusters. It is these clusters of pigment-producing cells that are known as freckles. Parents with freckles often have kids with freckles, but not always. This is because the inheritance of freckles is complex. There are many genes involved, and they can interact with one another in lots of different ways. Some combinations give freckles, some don't. For example, one gene, MC1R, is tied to both freckles and red hair. If both copies of the gene are changed, you're a redhead. If only one copy is changed, you'll get freckles—but not always. And scientists still don't know why.
3. No Freckles: (see 2 above)
4. Hitchhiker's thumb:
Hitchhiker's thumb is a thumb that's hypermobile, or very flexible, and able to bend backward beyond the normal range of motion. Known formally as distal hyperextensibility, this condition isn't painful and doesn't stop the thumb from working normally. Your thumb's bendability is controlled by its distal interphalangeal joint, the bendy point at which the bones of your thumb are connected. People with hitchhiker's thumb have distal joints that can bend back as far as 90 degrees. This looks similar to the classic roadside hitchhiker's pose, thumb out in hopes of hitching a ride. Hitchhiker's thumb can occur in one or both thumbs. Some people with hitchhiker's thumb may have acquired two recessive copies, or alleles, of the gene that determines thumb straightness. This means that the trait for hitchhiker's thumb was present in both parents of the person born with it. If instead one parent had the dominant gene for thumb straightness and the other had the recessive gene for hitchhiker's thumb, their offspring wouldn't have the condition, and would have regular thumbs. People with just one copy of the recessive gene for this condition are called carriers. A person who carries a

recessive gene would have to have a child with another carrier of the gene in order for that child to inherit the trait.

5. Regular thumb: (see 4 above). People who have the dominant trait for a regular thumb will have a thumb that stands straight and cannot bend backward beyond the normal range of motion.
6. Allergies:
Some families appear to be more likely to have allergies. People born into these families often have a higher risk of developing allergies. This familial tendency to develop allergies is thought to have a genetic link known as atopic. More than half of children born into atopic families will develop an allergic disease, whereas only one in five children with no family history develop allergies. The risk is even higher for families where both parents are affected by allergies. Children do not always develop the same allergies as the other members of the family. Research tends to indicate a genetic susceptibility to allergies in general, rather than a specific allergic condition.
7. Dimples
Cheek dimples are those small indentations on some people's faces that are especially visible when they smile. The "smiling muscle" connects each cheekbone with the corners of the mouth. Some people have an extra smiling muscle in their cheeks, which can cause dimples to appear when they smile. People used to think dimples came from a single, dominant gene inherited from a parent. Now, researchers know this trait is more complex than people originally thought. Some research studies show that at least nine different genetic variants contribute to dimpling.
8. No Dimples (See 7 above)
9. Attached Earlobes:
An earlobe is made up of connective tissues combined with fat cells. There are two primary types of earlobes found in humans, which include free earlobes and attached earlobes. Earlobes that curve up between the lowest point of the earlobe and the point where the ear joins the head are known as "free" or "unattached" earlobes. Earlobes that blend in with the side of the head are known as "attached" or "adherent" earlobes. However, some people have earlobes that look like a mix between the two types. According to the latest research, at least 49 genes play a

role in whether someone has free, attached, or in-between earlobes.

10. Free earlobes (See 9 above)

11. Cleft Chin:

In people who have a cleft chin, the two sides of the lower jaw don't completely fuse together, leaving a little space, or a cleft. Clefts come in various shapes, from a vertical or Y-shaped crease to a round dimple. It's more likely than not that if your parents both have cleft chins, you'll have one. And if both have smooth chins, you will too. But it turns out a cleft chin is too complicated to be simply "dominant". Two parents without a cleft chin have kids with cleft chins way more often than predicted with this simple model. The genes that are involved with cleft chin are still not fully known or understood.

12. No cleft chin (see 11 above)

13. Can roll my tongue:

It was once thought that the ability to roll your tongue was a genetic trait. In 1940, a famous scientist claimed the ability to roll one's tongue is based on a dominant gene. In 1952, however, another scientist disproved that claim by demonstrating that seven out of 33 identical twins didn't share their sibling's gift. If rolling the tongue was genetic, then identical twins would share the trait. Additionally, scientists have found that after a few weeks of practice, non-tongue rollers can learn to roll their tongue. The first scientist admitted they were wrong, and said, "I am embarrassed to see it listed in some current works as an established [genetic] case." Yet, this busted myth is still taught in some science textbooks and classrooms. While it's possible that several genes could contribute to tongue-rolling abilities, such as the ones that determine the tongue's length or muscle tone, there isn't a single dominant gene that's responsible, as people once thought.

14. Can NOT roll my tongue (See 13 above)

15. Curly hair:

Research shows that your hair's wave or curl is passed down in your genes. But hair curl is what's called an "additive" trait, which means that the amount of curl you have depends on how many curly hair gene variations you inherit. So, while curly-haired parents tend to have curly-haired kids, there's no guarantee it will happen. Because many different genes are involved, even a curly-haired parent

can have—and pass along—straight-hair gene variations. That's why in the same family, hair can be stick-straight, curly as a spring, or anything in between. Genes can also interact with each other to determine your hair texture. Genes aren't the only thing that affects your hair type. Your environment can have a big impact on your hair. Humidity can make your hair frizzy or curly, while cold winter air can make hair dry and static-prone. As you get older, your hair changes and becomes thinner and finer. Aging also makes your hair drier because the oil glands in your scalp start to shrink. How you treat and style your hair can change its texture. Bleaching, straightening, and coloring your hair can make it drier and more brittle.

16. Straight hair (See 15 above):

Straight hair may have become more common during the Ice Age, about 65,000 years ago. Because straight hair lays against the skin, it may have provided more protection from the cold. Straight hair also tends to be oilier, which protects it better during the cold.

17. I share a trait with someone to my right

18. I share a trait with someone to my left

19. Straight hairline:

Some people have a prominent V-shaped point at the front of their hairline, called a widow's peak, while other people have a hairline that goes straight across. It's a common misconception that a particular dominant gene causes a widow's peak. Like other traits that influence hair growth, various genes work together to help determine the shape of our hairlines. Some researchers believe that hair patterns are heritable, so a close relative with a widow's peak may increase your chances of having this hairline, too. Most children have a smooth, flat hairline. As they age into adolescence and adulthood, their hairlines tend to move higher up the foreheads. The presence or absence of a widow's peak is just another example of our diverse features. Age-related receding hairline patterns can also resemble widow's peaks in both men and women.

20. Widows peak (See 19 above)

21. I cross my right thumb over my left when I clasp my hands:

When people clasp their hands, almost all have a strong preference; either the right thumb is on top (R) or the left thumb is on top (L). Most people have a strong preference for clasping their hands in one way, either with the left thumb on top (L) or the right thumb on top (R). To most people, it feels unnatural to clasp the hands in the opposite way, making it a very easy trait to observe. Surveys indicate that roughly half of the people studied are R and half are L. In four different studies that looked at identical twins (who have the same genes), there were many pairs of twins where one is L and the other is R, indicating that there is little genetic influence on this trait.

22. I cross my left thumb over my right when I clasp my hands (See 21 above)

23. Left-Handed:

Recently, a large study of almost 2 million people found 48 genetic variants associated with being left-handed, right-handed, or ambidextrous. Each of these genes likely has a weak effect by itself, but together they may play a significant role in establishing hand preference. However, the same study also found that environmental influences have a more significant impact on which hand a person favors.

24. Right-Handed (See 23 above)

25. Different eye color than your mother:

Have you ever noticed how many different eye colors there are? All these different eye colors are formed by the same pigment: melanin. Whether you have dark or light eyes depends almost entirely on genetics. Eyes come in a wide range of colors, some more common than others. These colors include blue, gray, green, hazel, and all the shades of brown—some so dark they almost look black. The more melanin that you have in your eyes (specifically in the stroma, one of the layers in the colored part of your eye known as the iris), the darker your eyes are. Melanin comes in two varieties: eumelanin and pheomelanin. Eumelanin controls black and brown colors. Pheomelanin controls red and yellow hues. It's the mix of these two types of melanin that determines whether your eye color is coffee black, honey brown, hazel, or even green, for example. There are at least a dozen eye color-related genes that scientists know of. And there are plenty more they don't know about yet. The rarest eye color in people around the world is green. The most common color is brown. It's likely that originally all humans had brown eyes. Around 6,000 to 10,000 years ago a genetic change in humans in the Black Sea region occurred that likely led to blue eyes. Brown eyes get their color from

melanin, but blue eyes don't have any blue pigment. Instead, if you have blue eyes, the front part of your eye has hardly any pigment. Why does the lack of pigment look blue? For the same reason the sky looks blue. Particles in the rest of your eye scatter blue more than the other colors of the rainbow, making your eyes appear blue.

26. Same eye color as your father (see 25 above) The inheritance of eye color is more complex than originally thought because multiple genes are involved. While a child's eye color can often be predicted by the eye colors of their parents and other relatives, genetic variations sometimes produce unexpected results.