

# Inherited Characteristics Through the Generations

We are learning to track characteristics through different generations of families.

## Great Grandfather:

- Had brown hair when he was younger but it is grey now.
- Likes reading books.
- Has green eyes.
- Has 4 dogs.
- Is left handed.
- His blood type is AB-.
- Likes walking.
- Can roll his tongue.

## Grandfather:

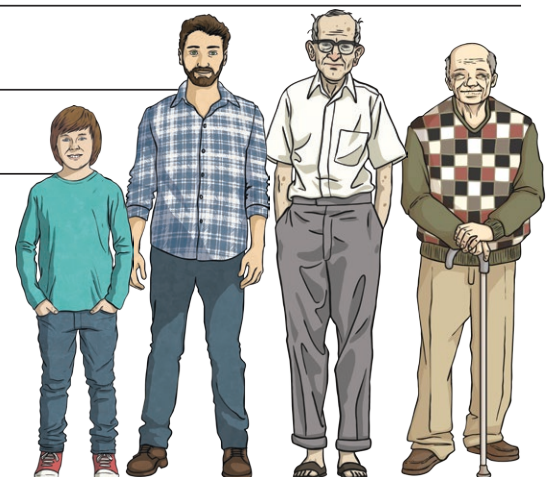
- His blood type is AB-.
- Likes to ride bikes.
- Has 4 dogs.
- Is left handed.
- Has brown hair that is starting to turn grey.
- Can roll his tongue.
- Likes reading non-fiction books.
- Has no brothers or sisters.
- Has green eyes.

## Father:

- Is very physically fit.
- Has green eyes.
- Has 4 dogs.
- Can roll his tongue.
- Is left handed.
- Enjoys watching movies.
- Has brown hair.
- Has 1 brother and 1 sister.
- His blood type is AB-.

Can you use this information to predict some possible characteristics of the son?

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_



# Inherited Characteristics Through the Generations **Answers**

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- Has green eyes.
- Has 4 dogs.
- Can roll his tongue.
- Is left handed.
- Enjoys watching movies.
- Has brown hair.
- Has 1 brother and 1 sister.
- His blood type is AB-.

Can you use this information to predict some possible characteristics of the son?

- **He is likely to have brown hair.**
- **He is likely to have green eyes.**
- **He is likely to be left handed.**
- **He is likely to have the blood type AB-.**
- **He will probably be able to roll his tongue.**

**The influence of the son's female relative will also effect the son's genetic characteristics. Environment influences all the other traits and therefore we cannot make reliable predictions about them.**

# Inherited Characteristics Through the Generations

We are learning to track characteristics through different generations of families.

## Great Grandmother:

- Her blood type is O+.
- Love swimming.
- Has 5 daughters.
- Has grey hair but when she was younger it was blonde.
- Lives in Glasgow.
- Is right handed.
- Has dimples in her cheeks.
- Has blue eyes.

## Grandmother:

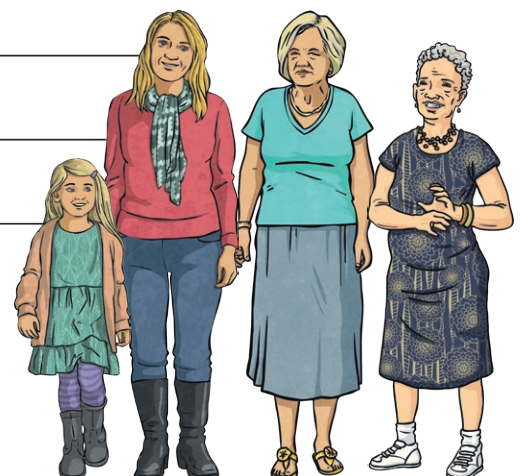
- Has dimples in her cheeks but none on her chin.
- Loves watching soaps on TV.
- Has blue eyes.
- Is right handed.
- Has 4 sisters.
- Has 2 daughters.
- Lives in Edinburgh.
- Has blonde hair which is beginning to turn grey.
- Her blood type is O+.

## Mother:

- Lives in Inverness.
- Has blue eyes.
- Likes visiting the cinema to watch films.
- Is right handed.
- Has blonde hair.
- Has 1 sister.
- Her blood type is O+.
- Has dimples in her cheeks.
- Has 3 daughters.

Can you use this information to predict some possible characteristics of the daughter?

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_



# Inherited Characteristics Through the Generations **Answers**

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- Is right handed.
- Has 4 sisters.
- Has 2 daughters.
- Lives in Edinburgh.
- Has blonde hair which is beginning to turn grey.
- Her blood type is O+.

## **Mother:**

- Lives in Inverness.
- Has blue eyes.
- Likes visiting the cinema to watch films.
- Is right handed.
- Has blonde hair.
- Has 1 sister.
- Her blood type is O+.
- Has dimples in her cheeks.
- Has 3 daughters.

Can you use this information to predict some possible characteristics of the daughter?

- **She will have blonde hair.**
- **She will have blue eyes.**
- **Her blood type will be O+.**
- **She will have dimples in her cheeks.**
- **She will be right handed.**

**The environment influences all the other traits and therefore we cannot make accurate predictions about them.**