

WorksheetCloud: Memorandum

Grade: 7

Subject: Natural Science

Topic: Variation

1. a) Why do we look similar to our parents?

We have inherited characteristics that are passed down through our parents genetics.

b) Why are we not identical to our parents?

We get half the genes from one parent and the other half from the other parent

2. Place each of these characteristics into the Venn diagram to show whether the variation in the characteristic is caused by genes, the environment or a combination of both:

Height, Scars, Blood group, Muscle Size, Eye Colour, Body mass

Genetic Variation:

Blood Group

Eye Colour

Environmental Variation:

Scars

Genetic Variation and Environmental Variation

Height Scars

Muscle Size

Body Mass

3. Define the following terms:

Species: A group of living things that can reproduce with one another to make more individuals of the same species.

Variation: Differences between organisms, inherited variations are features we inherit from our parents.

4. Describe three of your own characteristics. (Own answer)

5. Where do these characteristics come from? (Own answer)

6. State one example of a characteristic in people that shows a range of variation and one example of a characteristic that is either present or not.

Height and weight show a range of variation. Eye colour does not.