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Heredity Crash Course

Watch the link and answer the following questions:

<https://www.youtube.com/watch?v=CBezq1fFUEA>

1. **What is heredity?** Heredity is the passing on of genetic traits from parents to offspring.

2. **Who is the father of genetics who first started thinking about heredity?** The father of genetics who first started thinking about heredity is Gregor Mendel.

3. **How many chromosomes do human body cells have?** The human body has 23 pairs of chromosomes.

4. **What determines your traits?** A gene contains information that determines your traits.

5. **How many chromosomes do you get from each parent?** You get 23 chromosomes from each parent.

6. **What is the male gamete (sex cell)? Female gamete (sex cell)?** The male gamete are sperm, and then the female gamete are the eggs.

7. **Give an example of a dominant trait? Give an example of a recessive trait?** An example of a dominant trait is wet earwax and an example of a recessive trait is dry earwax.

8. **What is phenotype?** A phenotype is what is expressed physically.

9. What are the sex chromosomes of a human male? Human female? The sex chromosomes of a human male is XY. While a human female has an XX sex chromosome.

10. What is one genetic trait you like that was passed down from your parents? A genetic trait that I like that was passed down from my parents is my straight hair.