



Traits and Heredity Activity Sheet

1. True or False? You are made up of cells.
2. What are cells?

3. How do cells build a person or a plant?

4. Give an example of a trait?

5. What is heredity?

6. Where do you get your traits from?

7. Why do offspring often look like their parents?

8. What tells the cell how to grow and develop into a living organism?

9. True or false? We all have the same genes.
10. How are genes inherited by offspring from parents?

11. True or false? Your cells have half of your father's gene pairs and half of your mother's gene pairs.
12. What makes each person different to everyone else?

13. What did Gregor Mendel's experiment with the pea plant help us understand about genes?

14. What is a hybrid?

15. What influences the development of traits?

16. True or false? Your genes and surroundings help you adapt to your environment.

Answers:

1. True.
2. Cells are tiny organisms that work together to make up all living things.
3. Through genes and DNA.
4. Eye colour, hair colour, height or weight.
5. Heredity is the passing on of biological characteristics from one generation to the next.
6. Heredity, from your mother and father.
7. Heredity. You inherit genes from your mother and father.
8. Chromosomes.
9. False.
10. Through reproduction.
11. True.
12. Gene variation. Genes come in many varieties.
13. Gregor Mendel's experiment helps us understand that all of an organism's traits are passed from one generation to the next.
14. A hybrid is the offspring of parents of different breeds, varieties, or species.
15. Interaction of that gene with other genes and partly on your environment (nature and nurture).
16. True.