

A MATCH MADE IN DNA VIDEO QUESTIONNAIRE

Answer the following questions as you watch the Blood Typing video from the K20 Center.

1. Two different alleles that are expressed at the same time are called:

- A. Incomplete Dominance
- B. Dihybrid
- C. Sex-linked
- D. Codominance

2. How many pairs of chromosomes do humans have?

- A. 46
- B. 23
- C. 12
- D. 35

3. Fill in the following table with the correct genotypes for each phenotype.

Phenotype	Possible Genotypes
A	
B	
AB	
O	

4. If you are type AB, can you give to someone who is type B? Explain your reasoning.

5. True or false: Punnett squares allow us to decide what our children look like. Explain your reasoning.

6. If Zarría is heterozygous for type A, $I^{A}i$, give at least two possible genotypes her parents could be. Show your work.