

Chapter 12 Patterns of Heredity and Human Genetics, *continued*
Reinforcement and Study Guide
Section 12.3 Complex Inheritance of Human Traits

In your textbook, read about multiple alleles in humans.

Complete the table by filling in the missing information.

Genotypes	Human Blood Groups Surface Molecules	Phenotypes
1. $I^A I^A$ or $I^A i$	A	
2. $I^B I^B$ or $I^B i$		B
3.	A and B	AB
4.	none	

Complete each statement.

- Blood groups are a classic example of _____ inheritance in humans.
- The alleles _____ are always both expressed.
- The alleles I^A and I^B are _____, meaning they are always both expressed.
- I^A and I^B are dominant to _____.
- Blood typing is necessary before a person can receive a _____.
- A child who inherits I^A from his mother and I^B from his father will have type _____ blood.
- A child whose parents both have type O blood will have type _____ blood.
- If a woman with blood type A has a baby with blood type AB, a man with blood type O _____ be the father.
- Blood tests _____ be used to prove that a certain man is the father of a child.