

**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.