

## Blood Type and Inheritance

In blood typing, the gene for type A and the gene for type B are co-dominant. The gene for type o is recessive. Using Punnett squares, determine the possible blood types of the offspring when:

1. Father is type o, Mother is type o


\_\_\_\_\_ % o

\_\_\_\_\_ % A

\_\_\_\_\_ % B

\_\_\_\_\_ % AB

2. Father is type A, homozygous; Mother is type B, homozygous


\_\_\_\_\_ % o

\_\_\_\_\_ % A

\_\_\_\_\_ % B

\_\_\_\_\_ % AB

3. Father is type A, heterozygous; Mother is type B, heterozygous


\_\_\_\_\_ % o

\_\_\_\_\_ % A

\_\_\_\_\_ % B

\_\_\_\_\_ % AB

4. Father is type o, Mother is type AB


\_\_\_\_\_ % o

\_\_\_\_\_ % A

\_\_\_\_\_ % B

\_\_\_\_\_ % AB

5. Father and Mother are both type AB


\_\_\_\_\_ % o

\_\_\_\_\_ % A

\_\_\_\_\_ % B

\_\_\_\_\_ % AB