

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

**Blood Type and Inheritance**

In blood typing, the gene for type A and the gene for type B are **codominant**. The gene for type O is recessive. Using the Punnett squares, determine the possible blood types of the offspring when:

Cut along dotted line

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

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

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

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

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

4. Father is type O, Mother is type AB

 \_\_\_\_\_% O

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

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