Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Understanding Human Blood Types**

**Using Punnett Squares Worksheet**

**DIRECTIONS:**

1. In the table below, fill in the appropriate genotypes for each blood type. Then complete the following Punnett square problems:

|  |  |
| --- | --- |
| Phenotype | Genotype |
| A |  |
| B |  |
| AB |  |
| O |  |

1. A man who has the type B blood (genotype: BB) is married to a woman with type O blood. What blood type will their children have?

|  |  |
| --- | --- |
|  |  |
|  |  |

1. A woman with type A blood is claiming that a man with type AB blood is the father of her child, who is also type AB. Could this man be the father? Show the possible crosses.
2. A man with type AB blood is married to a woman with type O blood. They have two natural children, and one adopted child. The children's blood types are: A, B, and O. Which child was adopted?