

PUNNETT SQUARE PRACTICE WORKSHEET

Blood Type Cross

A mother with blood type A (heterozygous, AO) and a father with blood type B (heterozygous, BO) have children.

- Complete the Punnett Square below:

	A	O
B		
O		

- What are the possible blood types of their children?
- What percentage of their children could have blood type O?

Questions:

1. Why can a person with type O blood donate to all blood types but only receive from type O?
2. How does the Rh factor affect blood compatibility in transfusions?
3. A person with type A blood can have which possible genotypes?
4. A person with type AB blood can receive blood from which blood types?
5. If a child has type B blood, but one parent has type O blood, what must be the genotype of the other parent?