

Name _____

Date _____

Biology Homework: **ABO Genetics Problem**

The chart below lists the blood phenotypes of 8 individuals. Use the information in the chart to solve the genetics problems that follow.

Females	Blood Type	Males	Blood Type
Anne	Type O	Charlie	Type A
Wendy	Type B	Scott	Type AB
Susan	Type AB	Larry	Type O
Patricia	Type A	Keith	Type B

Show all solutions in the space provided.

1. Larry has a son with type B blood. Which of the females listed above could be this child's biological mother?
2. Anne is pregnant with Scott's child. What is the chance that the baby will have type A blood?
3. Because her daughter has type B blood, Patricia insists that Keith is the father. Keith claims that Scott is the father of Patricia's baby girl. Is it possible that Scott is the baby's father?
4. Keith and Wendy have a 4-year old with type O blood. How is this possible?

