

**A**ctivity**A Quick Switch?**

In the maternity ward, Mrs. Bright and Mrs. Light shared a room. When they were ready to go home, Mrs. Bright insisted that she had been given the wrong baby. The babies looked very much alike, and unfortunately, no one could find a record of the babies' footprints. Hospital officials told Mrs. Bright she was mistaken and sent her and the baby home. Mrs. Bright eventually asked the hospital to perform identification tests. Several weeks later, blood tests showed the following data.

Mrs. Bright	Group AB	Mrs. Light	Group A
Mr. Bright	Group O	Mr. Light	Group A
Baby at Bright's house	Group O	Baby at Light's house	Group A

1. What is Mrs. Bright's phenotype? \_\_\_\_\_

What possible genotypes can Mrs. Bright have? \_\_\_\_\_

2. What is Mr. Bright's phenotype? \_\_\_\_\_

What possible genotypes can Mr. Bright have? \_\_\_\_\_

Using the Punnett square, show the possible blood genotypes of a child born to the Brights.


3. What is Mrs. Light's phenotype? \_\_\_\_\_

What possible genotypes can Mrs. Light have? \_\_\_\_\_

4. What is Mr. Light's phenotype? \_\_\_\_\_

What possible genotypes can Mr. Light have? \_\_\_\_\_