

Name \_\_\_\_\_

Date \_\_\_\_\_

The Great Hospital Baby Switch  
Can you solve it?

It was a dark and stormy night. A terrible electrical storm rages with lots of rain, lightning, and thunder. At a small rural hospital in south Georgia, it is also an usually busy night in the labor and delivery room. Usually, no more than one baby is delivered each night. Tonight, three families are here for deliveries, all at the same time: the Smiths, the Browns, and the Blacks. All families are expecting their first child, and all families are Caucasian. There is a terrible rush because all three mothers are in labor and deliver their baby boys at the same time. The nurses are busy juggling babies, so they decide to postpone putting on the ID bracelets. A terrible lightning flash and the power goes out. In the confusion, the nurses cannot remember which baby belongs to which family.

This is a very small hospital and DNA technology is unavailable. The hospital decides to use blood typing to determine the identities of the babies. Can you tell which family should be matched with which baby? Support your conclusion by doing as many Punnett Squares as needed to prove you are correct.

Mr. Smith—Blood Type A  
Mrs. Smith—Blood Type B  
Baby A—Blood Type B

Mr. Brown—Blood Type O  
Mrs. Brown—Blood Type A  
Baby B—Blood Type AB

Mr. Black—Blood Type AB  
Mrs. Black—Blood Type O  
Baby C—Blood Type A

(family) \_\_\_\_\_


Possible offspring \_\_\_\_\_

(family) \_\_\_\_\_


Possible offspring \_\_\_\_\_

(family) \_\_\_\_\_


Possible offspring \_\_\_\_\_

(family) \_\_\_\_\_


Possible offspring \_\_\_\_\_

(family) \_\_\_\_\_


Possible offspring \_\_\_\_\_

(family) \_\_\_\_\_


Possible offspring \_\_\_\_\_

Baby A should go to the \_\_\_\_\_ family.  
Baby B should go to the \_\_\_\_\_ family.  
Baby C should go to the \_\_\_\_\_ family.