

ASU Introductions

Name of one of the ASU students? _____

His or her major? _____

His or her aspiration? _____

Mock Medical School

Directions: Use the compound microscope and make labeled sketches of blood cells. Do a chemical test on 4 mock blood samples : Type A, Type B, Type AB, and Type O. Make a detailed data table of the reactions of the samples in this control group.

Blood Type Control Samples

Blood Type	Chemical Test A Observations	Chemical Test B Observations
A		
B		
AB		
O		

Geneticist at Mock Forensics Lab

Daddy Warbucks has asked the forensics lab to help him find his long lost biological child. The babies were accidentally switched at birth in the hospital. Daddy Warbuck's lost child has been traced to this class at Kino School.

Directions: Make a Punnett Square showing the possible blood types of offspring in a cross between Daddy Warbucks and Mommy Warbucks. A and B are Codominant. O is recessive.

1. What if Daddy Warbuck's phenotype is Blood type o and Mommy Warbuck's genotype is homozygous BB and her phenotype is blood type B.

Probability _____

2. What if Daddy Warbuck's blood type is o and Mommy Warbuck's genotype is heterozygous type Bo. Her phenotype is blood type B.

Probability _____

3. What if Daddy Warbuck's blood type is o and Mommy Warbuck's genotype is AB and her phenotype is blood type AB

Probability _____

Draw a Conclusion: Solve the Mystery

Directions: Test your mock blood sample and compare it to your control sample data. Draw a conclusion about the blood type of your mock blood sample.

	Chemical Test A Observations	Chemical Test B Observations
My Mock Blood		

Conclusion: My mock blood type is _____

Directions: Analyze all your blood type data and your Punnett Square. Draw a conclusion about who is the lost child of Mommy and Daddy Warbucks. Explain how you concluded who is the lost child.