

## FORENSIC BIOLOGY WORKSHEET

Forensic Serology

Name: \_\_\_\_\_

1. What is the main job of a serologist? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
2. When no serologist available, what do states rely upon for experts? \_\_\_\_\_  
\_\_\_\_\_
3. Why is blood the most common, well known and perhaps the most important piece of evidence in the world of criminal justice today? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
4. What is blood made up of? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
5. What are the two steps in the process of identifying hair with a light microscope? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
6. How can analysts determine the freshness of a blood sample? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
7. How can identical twins be distinguished with forensic serology? \_\_\_\_\_  
\_\_\_\_\_
8. Besides A-B-O blood typing, what other characteristics of blood are used for identification? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
9. How many different antigens are found in blood? \_\_\_\_\_
10. Define:
  - a. Antigen: \_\_\_\_\_  
\_\_\_\_\_
  - b. Antibody: \_\_\_\_\_  
\_\_\_\_\_
11. What is the most common problem with blood? \_\_\_\_\_  
\_\_\_\_\_