Forensic Scrology study blood, blood groups, and other bodily fluids for identification purposes following a crime.
kinds of human blood. These kinds are determined by the <u>presence</u> or <u>absence</u> of specific antigens, also known as <u>a gg. winningens</u> on the red blood cells. These antigens are known as A or B
Antibodies , or Agilitining against antigens A or B begin to build in the blood old and decline through the rest of a person's life.
Humans normally produce antibodies against the antigens that are not on their erythrouses (red blood cells). Therefore if a person had the following antigens, they would produce the opposite antibodies. Antibodies are <u>Shaped</u> so that they fit the opposite antigens.
Human containing this Antigen Produces this Antibody
A antigen A blood Bushhabadies
Bantigen B blowd A Antibodies
Both No Antibodies
Neither Both A or Bantigens O Both A & B Antibodios
possesses. The 4 blood types are A, B, AB, and O. Type O blood (no A or B antigens) is the nost in the United States. The percentage of people in the U.S. with this blood type is type is then the most frequent with 39% of the population. Type B is percent and Type AB is the most with 4%.
In 1940, Landsteiner and Wiener discovered another group of antigens on the surface of red blood cells called Rf Factors. They are called Rh factors because they were first found in Rhesys. An individual who possesses the antigens are designated Rh positive (Rh+). An individual who lacks the antigens are designated Rh positive (Rh-). Antibodico to the Rh factors are not normally present in the plasma, but are produced upon exposure to Rh factors. Example: Exposure to Rh factors can occur during plood. TANSTOSIONS (if Rh+ blood is transfused to an Rh- recipient) or when an Rh+ mother carries an Rh- fetus.
is the clumping of blood cells. When a foreign antigen is found by the antibody, the antibody is designed to attach itself to the foreign antigen. This process will the foreign blood. Finding the blood type of an unknown sample is simple. Forensic scientists treat the foreign samples of blood with known samples of foreign foreign foreign and can also tell medical and forensic scientists treat the foreign foreign and can also tell medical and forensic scientists treat the foreign foreign and can also tell medical and forensic scientists treat the foreign foreign antigen. This process for in foreign foreign antigen is an interest the foreign antigen in the sample of an unknown sample is simple. If the clumping occurs only in the sample that anti-A was added, the blood type is foreign foreign foreign foreign antigen is the blood type is foreign