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Expt. No. 3: Chemical Detectives en forensie Analysis

Dr. Define forensic science and explain the importance. How it helps for societal benefits?

of a crime or accident and dolertify criminals using scientific knowledge. The forensic science is important as it can determine the cause of death, criminals can be identified using fingerprints. Even with the timiest bits of hair, skin, fibres from clothings or sugs, blood, saliva, or other materials can be used as endences that the untrained eye might everlook. It helps in societal benefits as justice can be served to people who fall victim to crimes that was not possible earlier. With advancement in foreusics, scientists can compare more than 30 characteristics of human per fissue. Thus, identifying the criminals and helping in the overled welfare of the society.

De cultat is the interplation between forcusies & chemistry.

ous forcusie chemistry is the application of chemistry and its subfield, forcusie Medicine and Toxicology. A forcusie chemist con assist in the identification of unknown materials found at a creime scene.

Specialists in this field have a wide array of method:

and instruments to help identify unknown substances.

De detecting amines?

OH

Ninhydrin

(2,2-dihydroxyindaue-1,3-dione)

When minlydown reacts with free amenes a deep the blue or purple color known as Ruhemann's Rueple is produced indicating the presence of armines.

(The mechanism of this reaction has already been explained in the Lab Report of Expt. No.: 3).