

AMINES AND UREA

1.

09-05-2020 (Lecture-7) Deg-I (H&S)

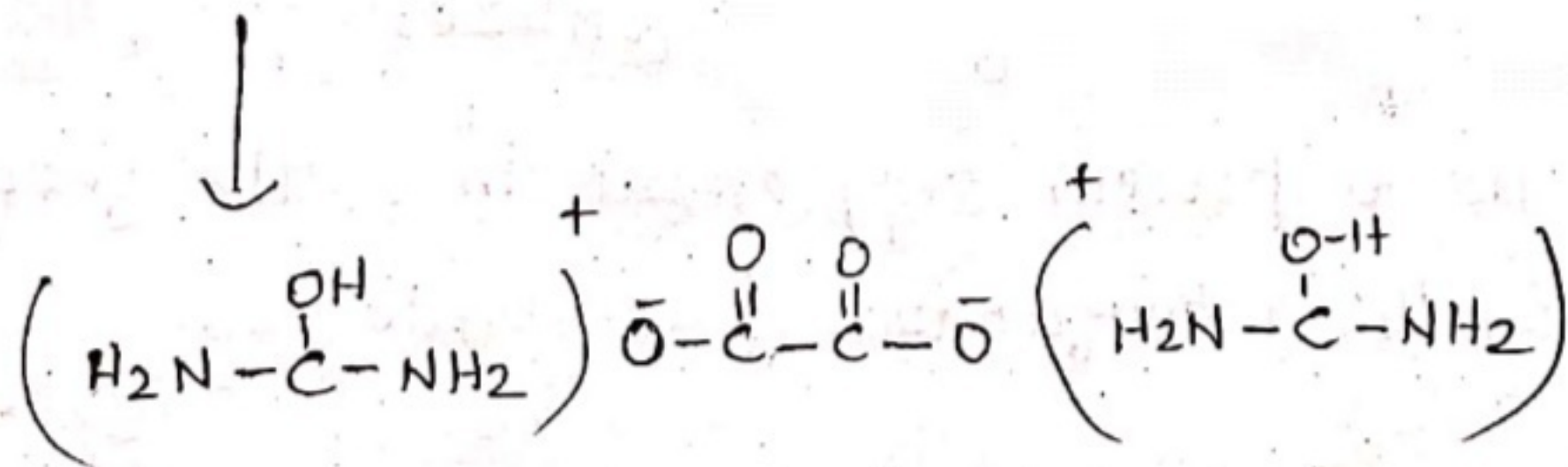
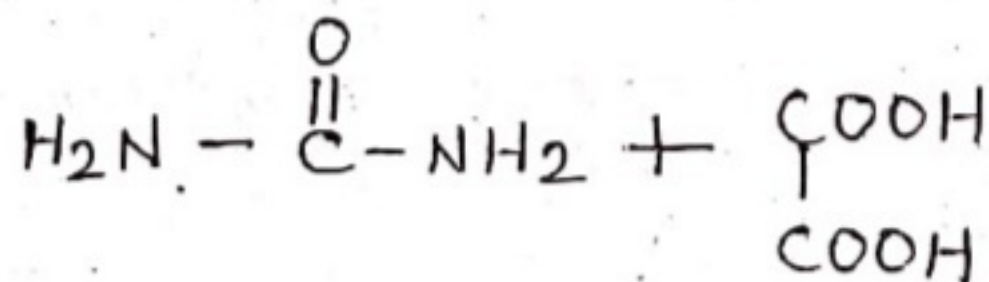
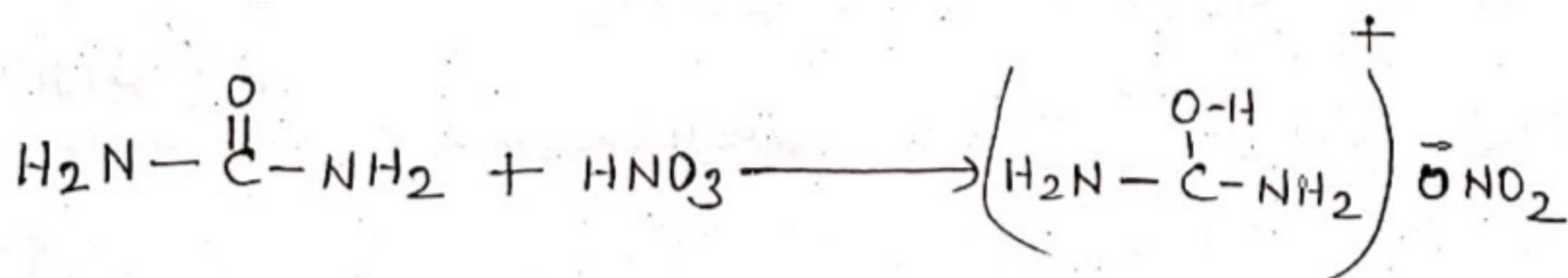
Topic - Properties & Uses of Urea

PHYSICAL PROPERTIES

- * Urea is a non-toxic, colourless, crystalline solid.
- * Melting point = 132°C
- * It is soluble in water and alcohol but insoluble in non-hydroxylic solvent such as ether, chloroform or benzene.

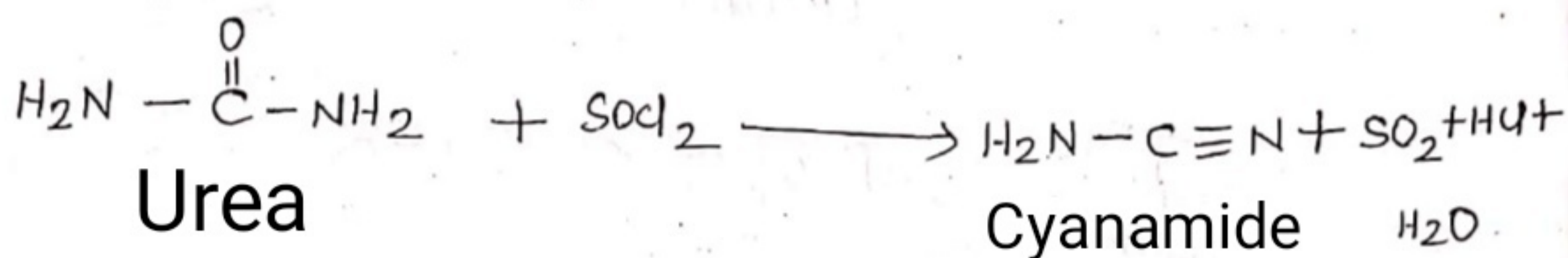
CHEMICAL PROPERTIES

1. SALT FORMATION

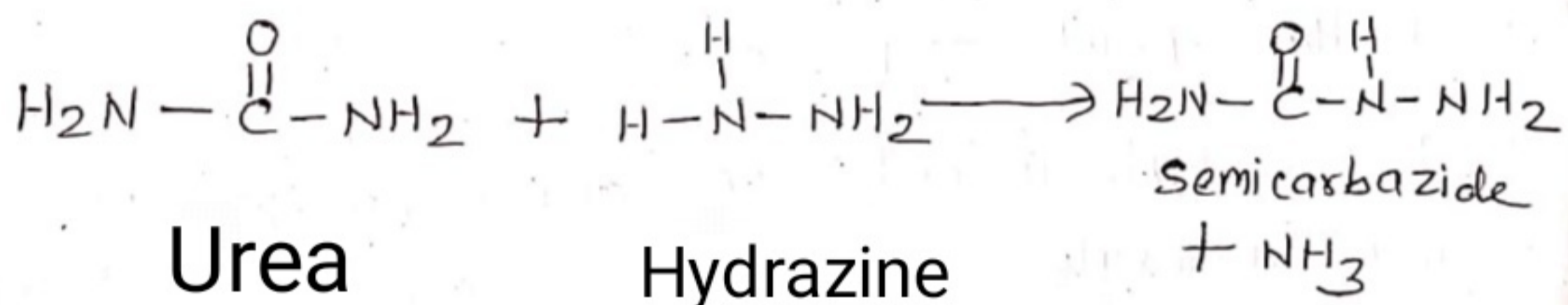


2. Reaction with the Thionyl Chloride.

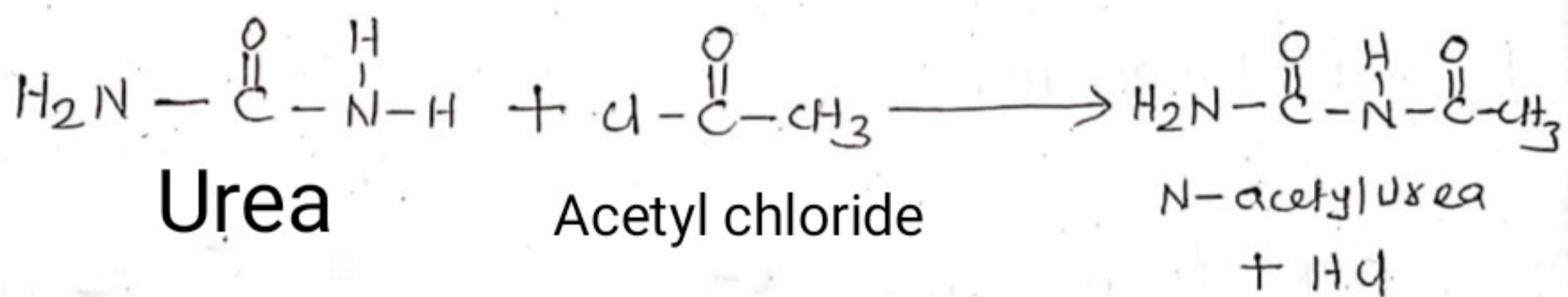
2.



3. Reaction with Hydrazine



4. Reaction with Acid chloride



USES OF UREA

Urea is used :-

Properties & Uses
Of Urea Completed.

1. In agriculture as a fertilizer.
2. As a protein supplement in Cattle feed
3. In the manufacture of barbiturates.