

AMINES AND UREA

1.

Revision

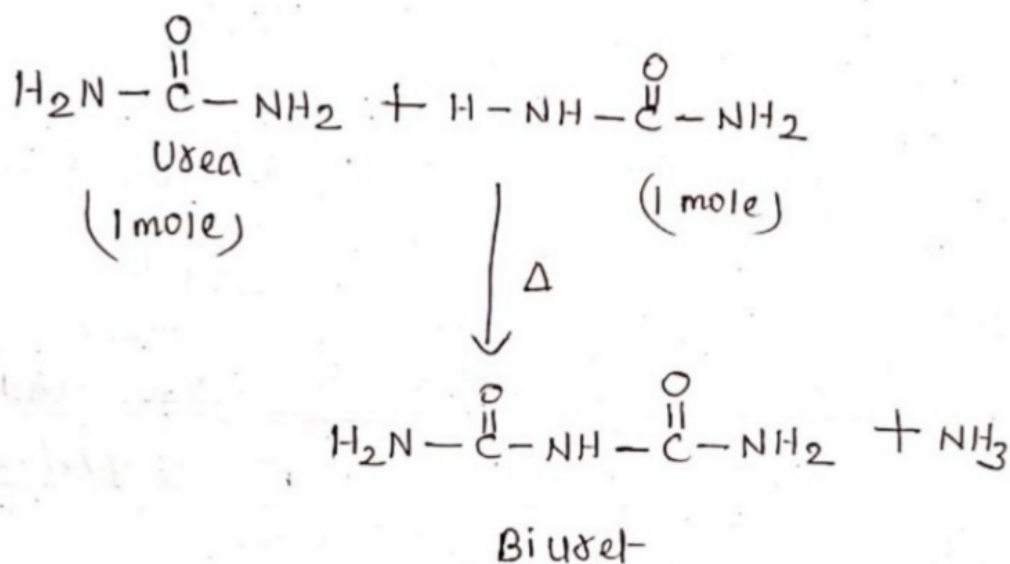
26/11/2020

Deg-I (Hons.)

TOPIC - BIURET-TEST

Action of Heat (Biuret-Test)

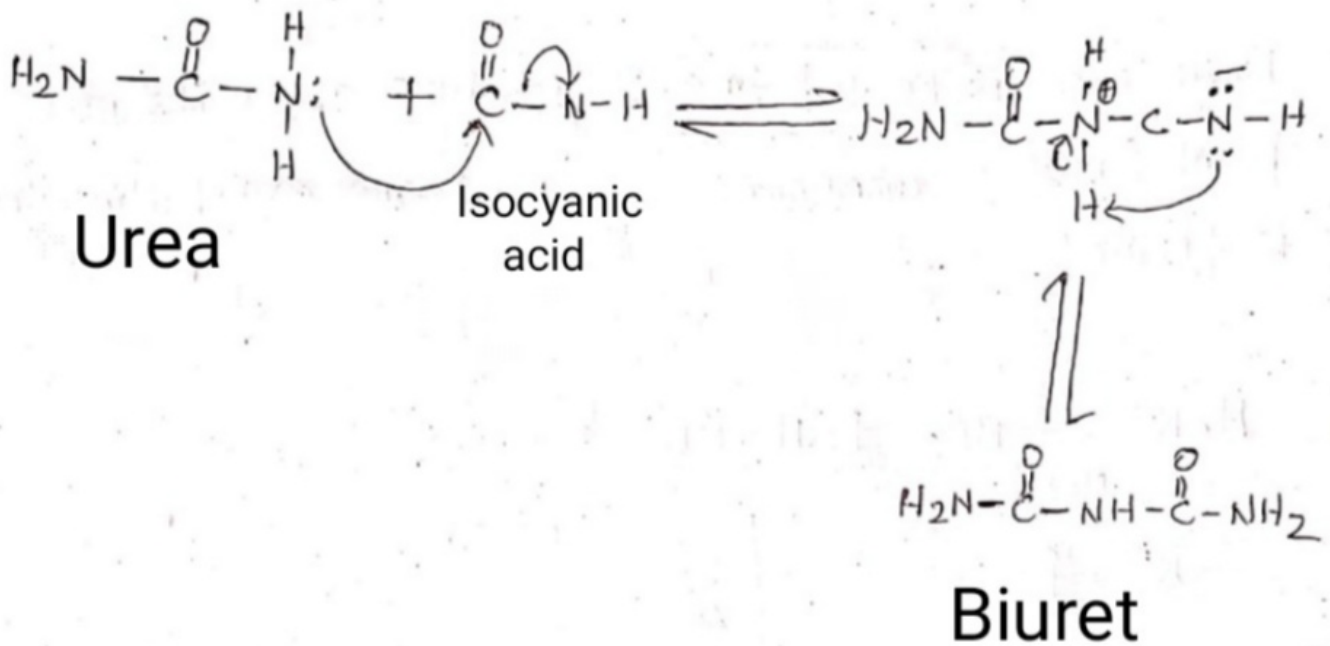
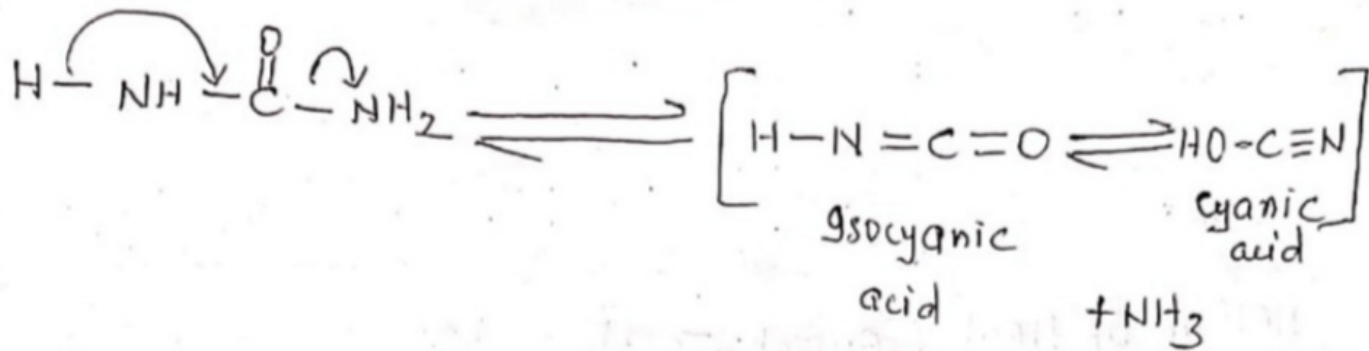
When urea is heated to a temperature above its melting point (132°C), ammonia is evolved and crystalline biuret is formed.



If an alkaline solution of biuret is treated with a drop of copper(II) sulphate solution, a violet colour appears. This serves as a test (Biuret Test) for the urea and also for proteins; peptides and other compounds containing the $-\text{CO}-\text{NH}-$ linkage.

Mechanism

2.



~ Biuret-Test Completed ~

Only For Hons.