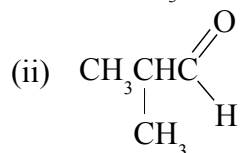
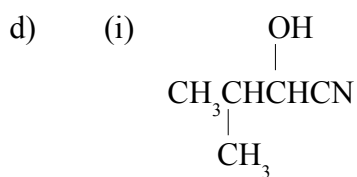
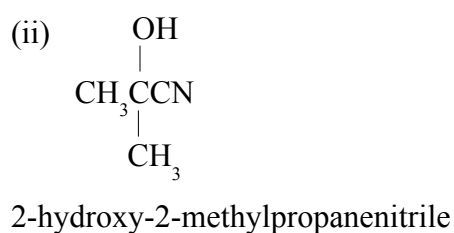
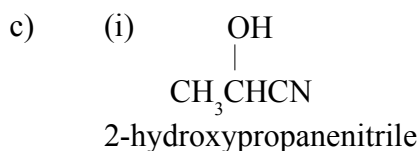


Chemguide – answers

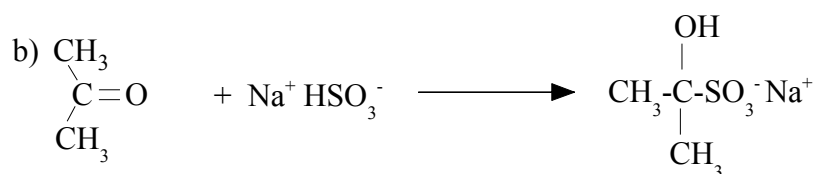
ALDEHYDES AND KETONES: SIMPLE ADDITION REACTIONS

1. a) Hydrogen cyanide is an extremely poisonous gas.

b) A solution of sodium or potassium cyanide in water with a little dilute sulphuric acid added to give a pH of 4 to 5.



2. a) A white crystalline precipitate.



c) Shake the impure aldehyde with sodium hydrogensulphite solution to produce the crystals. Filter and wash the crystals, and then add a dilute acid or alkali to regenerate the aldehyde.