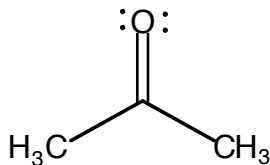


Problem 45, Chemistry 301X - 2006

In orgo lab, you presumably observed that ethanol and water were miscible (soluble in all proportions), whereas hexane and water were not miscible. Please rationalize these observations.

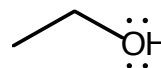
You also observed that acetone and water were miscible. Explain.



acetone



hexane



ethyl alcohol