

Video Homework for Topic I.3:

Intermolecular Forces, Boiling Point and Melting Point

Recommended reading for this topic:

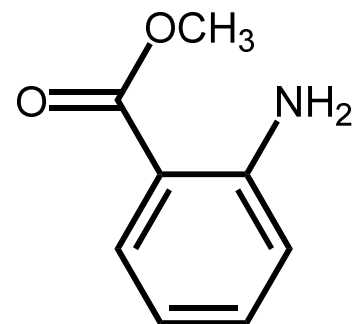
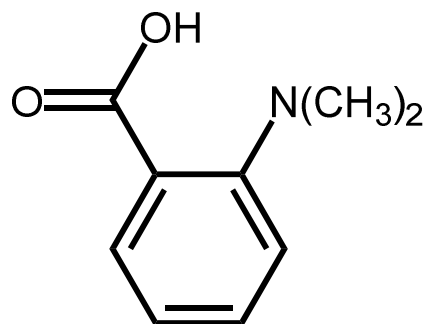
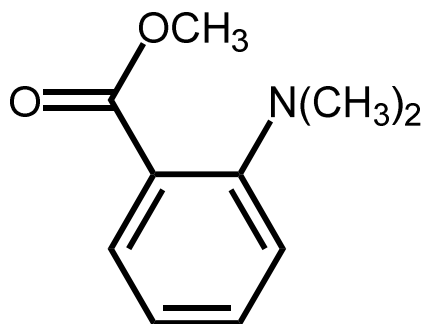
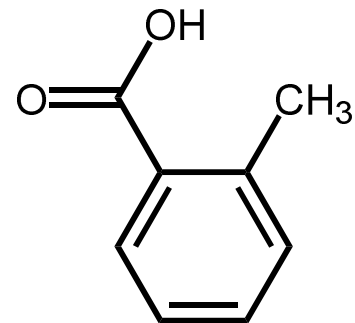
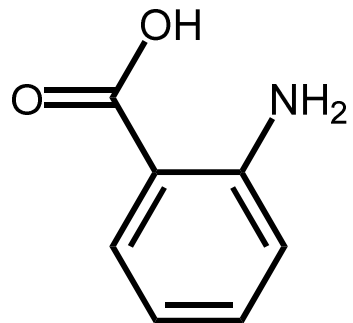
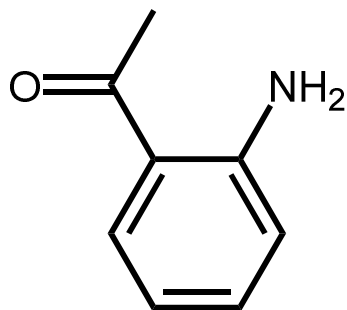
Lesson I.3 in *Organic Chemistry 1 Primer 2018*,
by Rhett C. Smith, Andrew G. Tennyson and Tania Houjeiry

Additional Videos and how to match videos to your course text book:

ProtonGuru.com

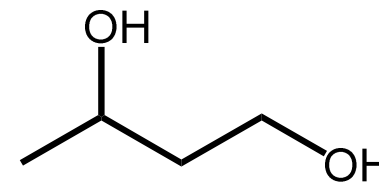
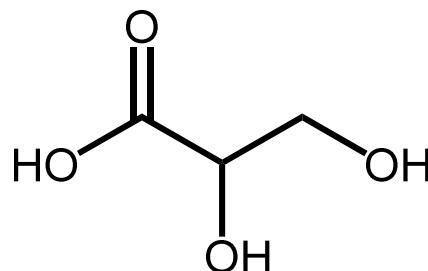
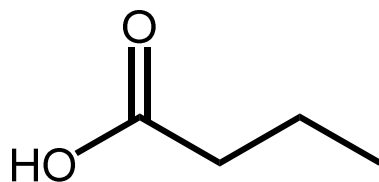
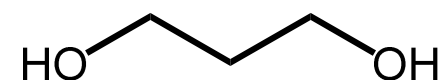
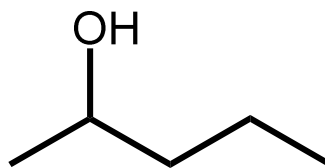
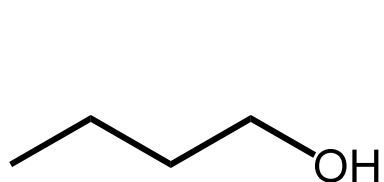
Intermolecular Forces, Boiling Point and Melting Point

Which molecules will exhibit intramolecular hydrogen bonding?



Intermolecular Forces, Boiling Point and Melting Point

Which molecules will have the best solubility in water?



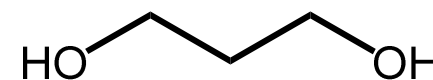
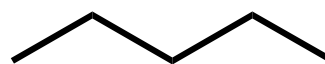
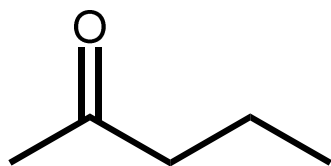
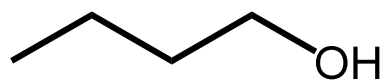
Intermolecular Forces, Boiling Point and Melting Point

A chemist mixes sodium acetate (NaOC(O)CH_3) in a mixture of water and ether ($\text{CH}_3\text{CH}_2\text{OCH}_2\text{CH}_3$). Water and ether are immiscible and ether is less dense than water and so they form two layers. In which layer will most of the sodium acetate be dissolved (ether or water)? Will this be the top or bottom layer?

Intermolecular Forces, Boiling Point and Melting Point



Rank these in terms of boiling point from highest (#1) to lowest boiling temperature.



Intermolecular Forces, Boiling Point and Melting Point



Rank these in terms of boiling point from highest (#1) to lowest boiling temperature.

