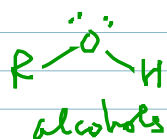
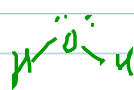


H BONDING

O-H

N-H. :N, O, F

F-H.



H₂O

Can make 4 H bonds

- Universal solvent
- ice floats
- large specific heat 4.184 J/g°C
- large ΔH_{vap}
↳ unusually high bp

LIQUIDS → fixed volume, variable shape
→ held together by IMF's

the stronger the IMF's, the ...

higher the bp, ΔH_{vap} ,

lower the P_{vap} (there will be less vapor)

Volatile → easily vaporized

weaker IMF's

Surface tension
Capillary action
Viscosity

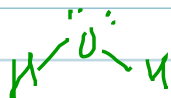
Cohesion
Adhesion

H BONDING

O-H

N-H N, O, F

F-H



alcohols

H₂O

Can make 4 H bonds

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- ice floats
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surface tension
capillary action
viscosity

cohesion
adhesion

Vapor pressure \Rightarrow pressure of an evaporated liquid

\uparrow IMF's, $P_{\text{vap}} \downarrow$

$\uparrow T$, $P_{\text{vap}} \uparrow$ $b_p = T$ where
 $P_{\text{vap}} = \text{air } P$