

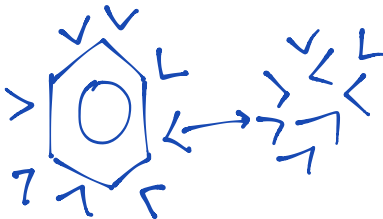
PROGRAMMING NOTES:

- TODAY: TALK ABOUT WORKSHEET, BREAK, THEN DISCUSS HW 1 AND LAB 2
- HW2 NEXT FRIDAY
- MIDTERM NEXT, NEXT FRIDAY.
- POSTING TWO REVIEWS FOR URRR NEEDS.

REVIEW ΔC_p .

$$\Delta C_p (T - T_m)$$

ΔC_p HIGHER IN H_2O .



ADD α

HIGH C_p OF UNFOLDED STATE BECAUSE WATER AROUND HYDROPHOBIC SOLUTES CAN MELT

IS THIS ENTROPIC OR ENTHALPIC?

→ DEPENDS ON THE TEMPERATURE

@ 200 K, ENTROPY STRONGLY FAVORS FOLDING] (LOTS OF "STRUCTURED" WATER)
 @ 400 K, ENTROPY STRONGLY DISFAVORS FOLDING] (LEFT WITH ΔS_{CONF})

ENTHALPY HAS OPPOSITE TREND.

$$\Delta H - T\Delta S$$

200
300
400

