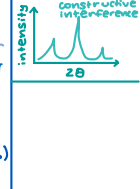


Handwritten chemistry notes covering various topics including:
- Amino acids and protein structure
- Dispersity and molecular weight
- Gibbs Phase Rule and phase diagrams
- Reaction kinetics (Arrhenius Law, Reaction Order, Rate Law)
- Equilibrium (Le Chatelier's Principle, Equilibrium Constant)
- Thermodynamics (Gibbs Free Energy, Enthalpy, Entropy)
- Electrochemistry (Nernst Equation, Cell Potentials)
- Acid-Base Chemistry (pH, pOH, Buffers)
- Polymer Chemistry (Polymer Properties, Crosslinking)
- Quantum Mechanics (Quantum Numbers, Pauli's Exclusion Principle)
- Biochemistry (Enzymes, Metabolism)
- Organic Chemistry (Reaction Mechanisms, Spectroscopy)
- Physical Chemistry (Thermodynamics, Kinetics)
- Analytical Chemistry (Titration, Spectroscopy)
- Environmental Chemistry (Pollution, Global Warming)
- Materials Science (Polymers, Nanomaterials)
- Earth Science (Geology, Meteorology)
- Life Science (Biology, Medicine)
- Space Science (Astronomy, Cosmology)
- Interdisciplinary Topics (Biochemistry, Environmental Chemistry, Materials Science, Earth Science, Life Science, Space Science, Interdisciplinary Topics)

XRDs: Peak



$$80 = \frac{6 - 1}{2}$$

$$= 2.5$$

← rad. on back PT

$$a = \frac{4r}{\sqrt{2}}$$

vs
time grouping

CONFORMERS	ROTAMERS
bond	

group $\text{HO} \diagup \text{OH}$
f: Strong IMF.
tactic (same side)

