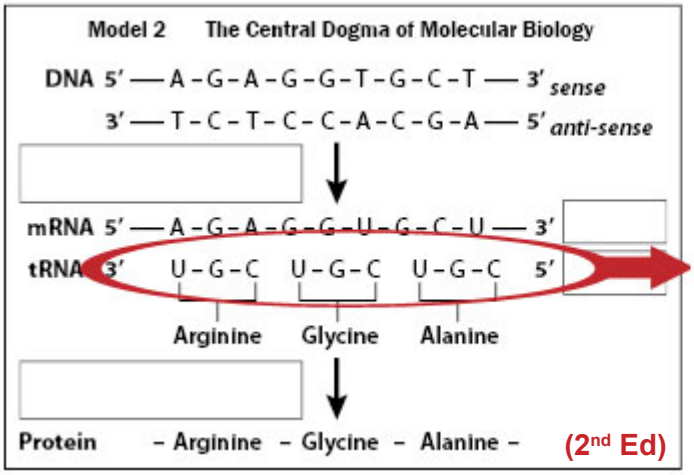
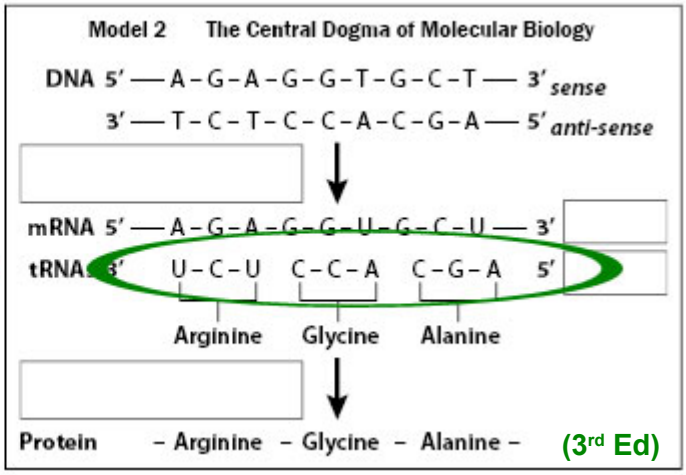
Foundations of Biochemistry: Changes from 2nd Edition to 3rd Edition

Pg	Sect	Name	Change	Type of Change	Location
10	2	3D protein	Activity	Small addition	CTQ 7a add in <<0 and >>0 as options
a. Estimate ΔH and ΔS for each of the two processes given above (< 0, > 0, ≈ 0). **(2nd Ed)** a. Estimate ΔH and ΔS for each of the two processes given above (<<0, <0, >0, >>0, ≈0). **(3rd Ed)**					
36	7	Enzyme Catalysis	Activity	Small change	CTQ 5 change of to and
5. Discuss how the graph at right indicates that optimal binding interactions occur between the enzyme ~~of~~ and the transition state rather than between the enzyme and the substrate.					
37	7	Enzyme Catalysis	Activity	Small change	CTQ 10. Generalize...etc about catalysis, by comparing to the examples above
10. Generalize the observations and discoveries you have made today about catalysis, by ~~considering~~ comparing to the examples above:					
45	9	Enzyme Inhibition	Pre-activity	Addition	4. You should bring a calculator to class.
46	9	Enzyme Inhibition	Activity	Addition	CTQ 4c add an "s" to graph
c. Draw a line on the graph**s** that would represent the new, better inhibitor.					
55	11	Carbohydrates	Activity	Clarification	CTQ 5 the word stage is confusing. Change from "stage of the synthesis" to "stage of the polymerization of the protein"; add choices
5. When glycoproteins are synthesized in the cell, at what stage of the ~~synthesis~~ polymerization of the protein are the sugar groups added: Prior to translation, cotranslationally, or posttranslationally?					
75	17	DNA and the Central Dogma	Model 2 figure	Inaccurate	mRNA 5' AGAGGUGCU is fine but the part underneath it is completely wrong. It should be UCUCCACGA





123	31	Electron Transport	Pre-activity	Inaccurate	For 2a NAD+ and NADH should be switched and the H+ removed completely

a. 2 Cytochrome c (Fe^{3+}) + NAD^+ ⇄ 2 Cytochrome c (Fe^{2+}) + NADH + H^+ **(2nd Ed)**

a. 2 Cytochrome c (Fe^{3+}) + NADH ⇄ 2 Cytochrome c (Fe^{2+}) + NAD^+ **(3rd Ed)**