PRACTICE: CITRIC ACID CYCLE

6. The	conversion of one mole of acetyl-CoA to two moles of CO ₂ results in the production of:
	 a. 1 mole of ATP b. 1 mole of FADH₂ c. 1 mole of NADH d. 2 moles of GTP e. 2 moles of citrate
7. The	reaction in the Citric Acid Cycle most similar to pyruvate dehydrogenase converts:
	 a. fumarate to malate b. isocitrate to α-ketoglutarate c. succinate to aconitate d. malate to oxaloacetate e. α-ketoglutarate to succinyl-CoA
8. The	reaction in the Citric Acid Cycle that produces a GTP converts:
b. c. d.	citrate to isocitrate. malate to oxaloacetate. fumarate to malate. succinyl-CoA to succinate. succinate to fumarate.
9. Whi	ch Citric Acid Cycle intermediate is considered prochiral?
b. c. d.	citrate isocitrate malate oxaloacetate succinate
10. The	e conversion of one mole of pyruvate to three moles of carbon dioxide by pyruvate dehydrogenase and Citric Acid produces moles of NADH, moles of FADH ₂ , and moles of ATP (=GTP).
b. c. d.	2:2:2 3:3:1 3:2:0 4:1:1 4:2:1
11. The	e glyoxylate cycle:
a. b. c. d. e.	produces nucleic acids. uses acetyl-CoA for energy and synthesis of biosynthetic precursors.