

NAME: _____

Quiz 31

1. Draw β -hydroxybutarate.
2. How many total (all together) C-C and C-H bonds are present in β -hydroxybutarate?
3. How many redox steps occur in the complete oxidation of β -hydroxybutarate to carbon dioxide? Identify the enzyme that catalyzes each redox step.
4. Draw the fatty acid 4:0.
5. How many total (all together) C-C and C-H bonds are present in the four-carbon fatty acid?
6. How many redox steps will we find in the complete oxidation of this fatty acid to carbon dioxide? Identify the enzyme that catalyzes each redox step.
7. How do the energies of ketone bodies compare to similar sized fatty acids?