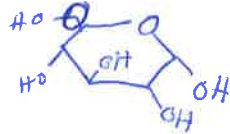


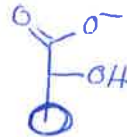
Name: Key

Quiz 12

1. Draw α -D-glucose.



2. Draw lactate.



3. How many total (all together) C-C and C-H bonds are present in glucose? 12
4. How many total (all together) C-C and C-H bonds are present in two lactate? 12
5. What is the numerical difference between your answers for #3 and #4? 0
6. How many times will carbon from glucose be oxidized in the pathway from glucose to lactate?
Name the enzyme or enzymes that catalyze the reaction(s). 2 glyceraldehyde-3-phosphate
DH
7. How many times will carbon from glucose be reduced in the pathway from glucose to lactate?
Name the enzyme or enzymes that catalyze the reaction(s). 2 lactate dehydrogenase
8. Circle C6 in your drawing of glucose. Circle the carbon in lactate that originates from C6.