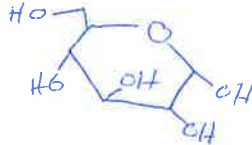


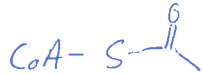
Name: Key

Quiz 18

1. Draw α -D-glucose.



2. Draw acetyl-CoA.



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 acetyl-CoA? 8

5. What is the numerical difference between your answers for #3 and #4? 4

6. How many total redox reactions occur in the pathway of glucose becoming two acetyl-CoA molecules?

4

7. List the enzymes that catalyze the redox reactions occur in the pathway of glucose becoming two acetyl-CoA molecules.

(2x) glyceraldehyde-3-phosphate dehydrogenase

(2x) pyruvate dehydrogenase.