

NAME: \_\_\_\_\_

Quiz 11

1. Draw  $\alpha$ -D-glucose.
2. Draw lactate.
3. How many total C-C and C-H bonds are present in glucose?
4. How many total C-C and C-H bonds are present in two lactates?
5. Based only on bond counting, how many redox reaction steps of metabolism do you expect to find between glucose and lactate.
6. Name the enzymes that catalyze the redox reaction steps of metabolism between glucose and lactate.
7. Explain the observed difference between your answers to #5 and #6.