NAME:_____ Quiz 22

Compare the energetics of glucose metabolism to acyl-CoA [acyl group = 6:0]

Glucose

a. **Draw glucose**

b. **Predicted number of redox reactions**
c. **# of NADH produced**
d. **# of $FADH_2$ produced**
e. **# of CO_2 produced**
f. **# of electrons transferred**
g. **# of Q → QH_2**
h. **# of CytoC(Fe^{3+}) → CytoC(Fe^{2+})**
i. **# of O_2 → $2H_2O$**
j. **proton gradient**
k. **ATP produced**

Acyl-CoA [6:0]

a. **Acyl-CoA [6:0]**

b. **Predicted number of redox reactions**
c. **# of NADH produced**
d. **# of $FADH_2$ produced**
e. **# of CO_2 produced**
f. **# of electrons transferred**
g. **# of Q → QH_2**
h. **# of CytoC(Fe^{3+}) → CytoC(Fe^{2+})**
i. **# of O_2 → $2H_2O$**
j. **proton gradient**
k. **ATP produced**