

### Quiz 3

1.) Name the enzyme that catalyzes every step of glycolysis in which:

a) a phosphate group is added or removed from the reactant

b) the product and reactant are isomers (in any sense of the definition) of each other.

c) the product is dehydrated with respect to the reactant

d) the product contains fewer carbon-carbon bonds than the reactant

2.) Explain one of the two arguments presented by Lane as evidence that photosynthesis had evolved on earth as early as 3.5 billion years ago.