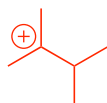
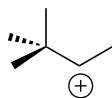


Quiz 2. Wednesday Afternoon

Name:

1a) Limiting yourself to a single 1,2-alkyl migration, show a rearrangement product of the following cation. Would you expect this product to be more or less stable than the starting cation. Why? (4 points)

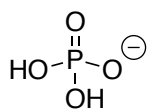


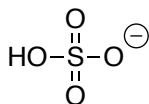
more stable because
tertiary cation vs.
secondary

b) Using curved arrows, show a mechanism that illustrates this rearrangement (A). (2 points)

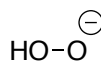


2) Predict which of the following anions is the most stable, which is the least stable, and explain your answer (4 points).





most stable



least stable

Because of resonance stability. Sulfuric acid anion has two additional major resonance forms, phosphoric acid anion only has one, and hydrogen peroxide doesn't have any.