

Possible Key (C & E News article, 8-13-07, caption on page 20)

1. Are there any steps that violate our general rule on carbocation rearrangements (i.e. only rearrange to similar or more stable R+)? Yes, step 2.
2. Write in the numbers of the carbon atoms (from structure A) in structure C.
3. Write in any hydrogen atoms not shown on carbon atoms 9 and 10 in structures C and D, and carbon atoms 2 and 3 in structures E and F.
4. Identify which of our 3 possible carbocation reactions occurs in each step above (steps 2-7).

