

1. t-butyl chloride is an example of a tertiary halide.

Your answer:

True False

2. Polar protic solvents cause an SN2 reaction to go fast.

Your answer:

True False

3. A solvolysis reaction is where the solvent acts as the nucleophile.

Your answer:

True False

4. According to Zaitsev's rule, the more highly substituted double bonds are usually more stable.

Your answer:

True False

5. Cis-2-butene is more stable than trans-2-butene.

Your answer:

True False

6. One way a double bond can be made is to react an alcohol with sulfuric acid.

Your answer:

True False

7. Markovnikov's rule deals with reacting a double bond with an nucleophile.

Your answer:

True False

- 8. The hydroxylation of a double bond with osmium tetroxide yields syn addition of the two OH's.**

Your answer:

True False

- 9. A carbon that is sp hybridized can form a triple bond with another sp hybridized carbon.**

Your answer:

True False

- 10. The C-H bond in acetylene is shorter than the C-H bond in methane.**

Your answer:

True False

- 11. A H in methane is more acidic than a H in acetylene.**

Your answer:

True False

- 12. 18-crown-6 has 6 oxygens in it.**

Your answer:

True False

- 13. Thioethers are ethers, but with a S substituted for the O.**

Your answer:

True False

- 14. The autoxidation of ethers leads to peroxides.**

Your answer:

True False

15. The hydroboration reaction involves an alcohol reacting with diborane, then hydrogen peroxide with base, to form an alkene.

Your answer:

True False
