

BRAINSTORNING QUESTION

Q: Due to unsaturation alkenes undergo addition reactions.



Around the double bond carbon atoms alkene structure is planar and the two groups or atoms can be added to these double bond carbon atoms from same side (syn-addition) or opposite side (anti-addition). Consider the addition of Br_2 to alkene as anti-addition while addition of H_2 to alkene as syn-addition.



Analyse the following statements

- (1) Mixture of compounds M and N can't be separated by Fractional distillation method.**
- (2) Mixture of compounds S and T can't be separated by Fractional distillation method.**
- (3) Q and R are identical.**
- (4) O and P are identical.**
- (5) M and N are identical.**
- (6) S and T are identical.**
- (7) If there is a mixture of compounds M and O, mixture may be separated by factional distillation method into pure M and Pure O.**
- (8) If there is a mixture of compounds R and T, mixture may be separated by factional distillation method into pure R and Pure T.**