

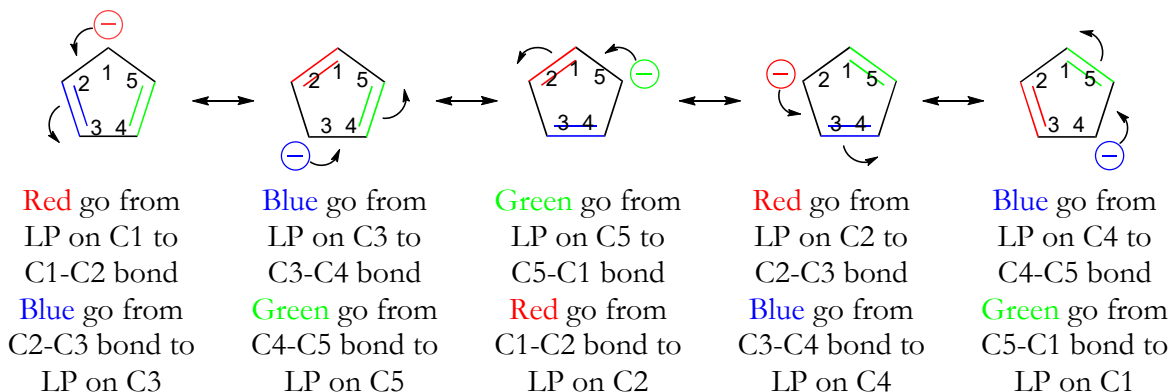
## Explanation of Question #5 on Exam 1, Fall 2017

So long as you track each pair of moving electrons (from either LPs or pi bonds) and make sure it's doing a legal move, your arrow-pushing should be valid.

Legal moves for electron pairs:

- 1) LP on atom becomes bond to that atom
- 2) Bond to an atom becomes LP on that atom
- 3) Bond to an atom becomes different bond to that atom

### Correct resonance forms/arrow pushing:



### A few incorrect options (only 1 move shown for each):

