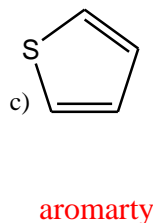
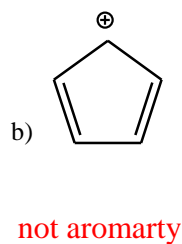
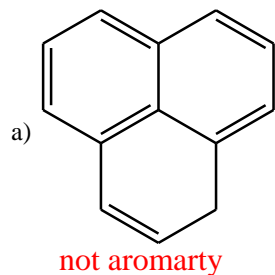


Exercise Ch 4

Which of these structure will be **aromatic**:

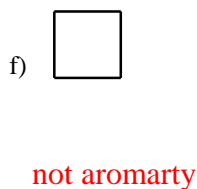
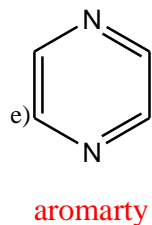
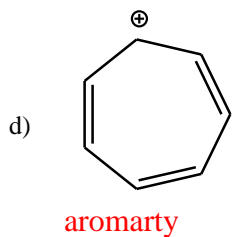


Aromatic:

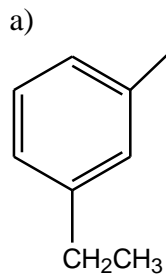
$$4n+2=6$$

$$4n=4$$

$$n=1$$

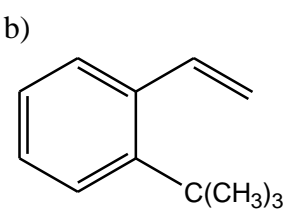


Name each of the following structures (**common name and IUPAC**)



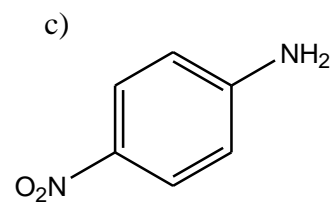
common *m*-Ethylphenol

IUPAC 3-Ethylphenol



o-*tert*.Butylstyrene or *o*-*tert*-Butyl-vinyl-benzene

2-*tert*.Butylstyrene or 1-*tert*-Butyl-2-vinyl-benzene

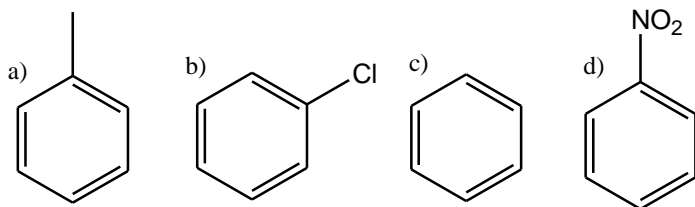


p-Nitroaniline

4-Nitroaniline

Exercise Ch 4

Arrange the following series of compounds in **decreasing order** of reactivity toward **Nitration**



a>c>b>d

Complete the following reactions

