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## Aromatic Substitution Nitration Halogenation Mare P.b.d

**electrophilic aromatic substitution ... - sapling learning** - 16.4 electrophilic aromatic substitution reactions of benzene 755 step 2 reaction of the benzene p electrons with the electrophile to form a carbocation intermediate. (notice that either of the oxygens can accept the electron pair.) step 3 loss of a proton from the carbocation to give a new aromatic compound. nitration is the usual way that nitro groups are introduced into aromatic rings. **electrophilic aromatic substitution (eas) is a ...** - electrophilic aromatic substitution (eas) is a substitution reaction usually involving the benzene ring; more specifically it is "a reaction in which the hydrogen atom of an aromatic ring is replaced as a **reactions of benzene & its derivatives** - organic lecture series 15 sulfonation • carried out using concentrated sulfuric acid containing dissolved sulfur trioxide benzene benzenesulfonic acid + so<sub>3</sub> 3 h h<sub>2</sub> so<sub>4</sub> (so<sub>3</sub> in h<sub>2</sub>so<sub>4</sub> is sometimes called "fuming" sulfuric acid.) organic lecture series **features of an organic acid and base alkene >c=c - properties:** • hydrocarbon, at least 1 c ≡ c triple bond • properties similar to alkane or alkene • linear r''-c≡c-r' nomenclature: • add -yne to prefix • number denotes position of triple bond; chemistry - chhatrapati shahu ji maharaj university - b. - first year chemistry there shall be three written papers and a practical examination as follows: max. marks paper - i inorganic chemistry 33 m.j.p. rohilkhand university - m.j.p. rohilkhand university bareilly revised syllabus of chemistry for graduate & post graduate classes modified according to u.g.c. model curriculum b. - first year - mjpru - b. - first year chemistry there shall be three written papers and a practical examination as follows: max. marks paper - i inorganic chemistry 50

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