Chapter 15: "Electrophilic Aromatic Substitution" (EAS) Worksheet

1. Complete the sentences:

"It is not surprising that in its typical reactions the benzene rings serves as a source of ________, that is, as a __________.

"Just as the typical reactions of the alkenes are electrophilic addition reactions, so the typical reactions of the benzene ring are <u>cleetrophilic</u> <u>substitution</u>.

1. Complete the Table:

Strongly Activating o,p Directors	Moderately Activating o,p Directors	Weakly Activating o,p Directors	Deactivating m Directors	Deactivating o,p Directors
- MH2	- OCH3		- NO2	1
-NHR	-0C2H5	- CH 3	- MCCH33	CI
-NR2	50 - 0 R	AIKY I Groups	-CN	B+
-0 H			- 6-04	eason generation and designation
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			- 503H	
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2. Draw all of the resonance structures for $\pm C_6H_6NO_2$

