



Electrophilic Aromatic Substitution Resources

CHEM 2444

Aromaticity

Aromatic compounds: https://www.youtube.com/watch?v=7-BguH4_WBQ

Rules for Aromaticity:
<https://www.masterorganicchemistry.com/2017/02/23/rules-for-aromaticity/>

Nomenclature: <https://www.khanacademy.org/science/organic-chemistry/aromatic-compounds/naming-aromatic/v/naming-benzene-derivatives-introduction>

Ortho/para/meta directors:
<https://www.youtube.com/watch?v=BDooDi7zQxo>

Antiaromatic compounds:
<https://www.youtube.com/watch?v=ab4WFo0Eq-k&t=462s>

EAS Reactions

Bromination/chlorination:

<https://www.khanacademy.org/science/organic-chemistry/aromatic-compounds/reactions-benzene/v/bromination-of-benzene>

Nitration: <https://www.youtube.com/watch?v=7tsHis091IM>

Sulfonation: <https://www.youtube.com/watch?v=hWth94aAzVE>

Friedel-Crafts alkylation:

<https://www.youtube.com/watch?v=J8yY9B0364Q>

Friedel-Crafts acylation:

<https://www.khanacademy.org/science/organic-chemistry/aromatic-compounds/reactions-benzene/v/friedel-crafts-acylation>

Practice Problems

- <https://www.masterorganicchemistry.com/organic-chemistry-practice-problems/electrophilic-aromatic-substitution-practice-problems/>
- <https://www.masterorganicchemistry.com/2018/05/17/friedel-crafts-alkylation-acylation/#quiz>
- <https://www.khanacademy.org/science/organic-chemistry-essentials/x1918b84b5bb1f2e6:electronic-effects/x1918b84b5bb1f2e6:aromaticity/e/identify-correct-resonating-structures>
- [https://chem.libretexts.org/Courses/University_of_Illinois_Springfield/UIS%3A_CHE_269_\(Morsch_and_Andrews\)/Chapters/Chapter_18%3A_Electrophilic_Aromatic_Substitution/Chapter_18q%3A_Practice_Quiz](https://chem.libretexts.org/Courses/University_of_Illinois_Springfield/UIS%3A_CHE_269_(Morsch_and_Andrews)/Chapters/Chapter_18%3A_Electrophilic_Aromatic_Substitution/Chapter_18q%3A_Practice_Quiz)

