

# The Structure and Properties of Benzene

Pre-lesson assignment- textbook page 434,440-441 (scanned)

## Define the following terms

- Addition reaction
- Electrophile

***Now watch the video on Reactivity of Benzene***

## Make notes on the reactivity of Benzene

*Use the following questions as guidance*

1. Draw a diagram of the bonding present in Benzene, and how it forms from the overlap of p-orbitals.
2. Describe the shape and bond angles present.
3. Explain the difference in an alkenes reaction between with bromine and an arene's lack of reaction.
4. Explain what is meant by electron density, and how a delocalised system affects this.