

CONCEPT: AROMATICITY OF HYDROCARBONS

We can use our knowledge of the **Four Tests of Aromaticity** to confirm aromaticity

- *Huckel's Rule* = Aromatic $(4n + 2)$ π electron numbers: _____, _____, _____, _____, etc.
- *Breslow's Rule* = Anti-aromatic $(4n)$ π electron numbers: _____, _____, _____, _____, etc.
- Non-aromatic = *FAILS* one or more test (including *odd number* of π electrons)

EXAMPLE: Determine the aromaticity of the following molecules

