

* Intro to Aromaticity Warm-up + Application Answers

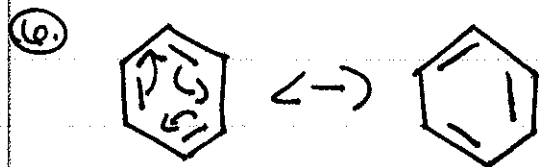
① 6:6

② 3:3

③ Degenerate

④ 2

⑤ 6



⑦ False: The actual structure is a hybrid of all resonance structures.

- ⑧
- a.) Cyclic
 - b.) Planar
 - c.) Continuously Conjugated
 - d.) $4n+2 \pi e^-$

9. $2e^-$ needed to fill the lowest energy orbital
 $4e^-$ needed to fill pairs of degenerate orbitals
 $n = \#$ of degenerate pairs that are filled w/ e^-

10. Anti = does not follow $4n+2$ e^-
Non = not cyclic or not continuously conjugated

11. Draw the polygon on a point & draw a line at every vertex & end

12. D

13. A + B

14. Aromatic : Anti : Aromatic : Non

Aromatic : Anti : Aromatic : Aromatic : Aromatic

Aromatic : Non : Anti : Non : Aromatic : Aromatic

