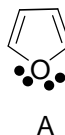
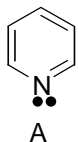
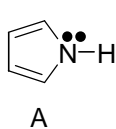
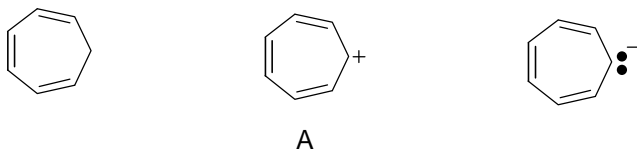
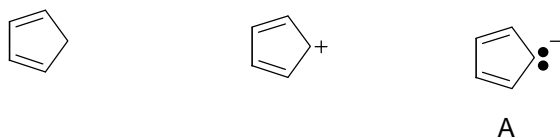


Which of the following compounds or ions are aromatic and which are non-aromatic? Why?

Remember the two rules for aromaticity are:

1. A cyclic pi system (p orbitals) exist and
2. The number of pi electrons must meet the Huckel rule of $4n+2$ where n are integers including 0.
Therefore, the allowed number of pi electrons are 2, 6, 10, 14, 18, 22, 26,etc.

Only if it meets both 1 and 2, it is aromatic.



Each has 6 pi electrons in pi system. See below.

