

 **Preview Assessment: Workshop 3**

Name Workshop 3

Instructions

Multiple Attempts This Test allows multiple attempts.

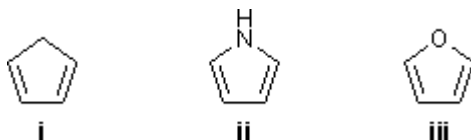
Force Completion This Test can be saved and resumed later.

▼ **Question Completion Status:**

Question 1

1 points [Save](#)

List the compounds shown below in order of **increasing** stability due to electron delocalization.

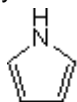


- i < ii < iii
 i < iii < ii
 ii < i < iii
 ii < iii < i
 iii < ii < i

Question 2

1 points [Save](#)

Draw the structure of one of the two best additional resonance structures for pyrrole. If you need to draw a cation or an anion, choose positive (or negative) charge sign from the drawing tool bar and click on the atom where the charge will be. Remember that you should NOT draw hydrogen (H) since the program will do that!

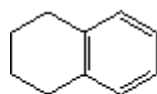


pyrrole

Question 3

1 points [Save](#)

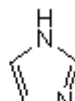
Which of the following species would you expect to be aromatic?



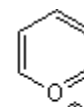
i



ii



iii



iv

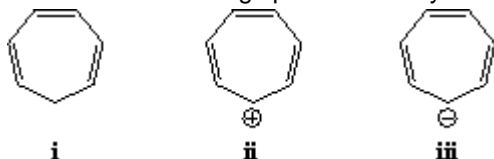
- i + ii

- ii
- i + ii + iii
- ii + iii + iv
- i + ii + iii + iv

Question 4

1 points [Save](#)

Which of the following species would you expect to be aromatic?

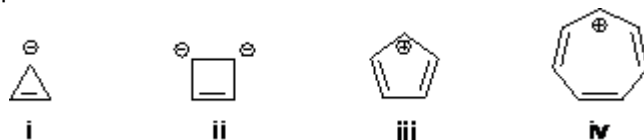


- i
- ii
- i + ii
- ii + iii
- i + ii + iii

Question 5

1 points [Save](#)

Which of the following ions would you expect to be aromatic? Assume the ions are planar.



- i + ii
- i + iii
- ii + iv
- ii + iii + iv
- i + ii + iii + iv

Question 6

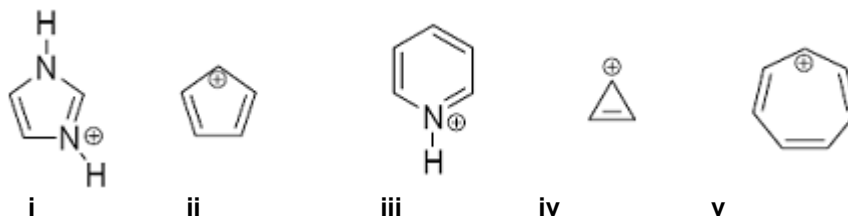
1 points [Save](#)

Which one of the following anions would you expect to be antiaromatic?



- i
- ii

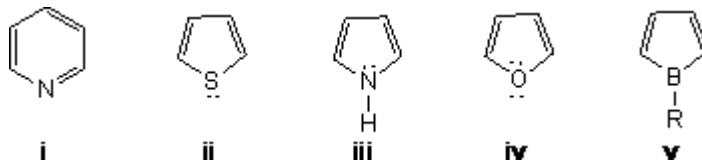
- iii
 iv
 v

Question 71 points [Save](#)Which one of the following cations would you expect to be antiaromatic?

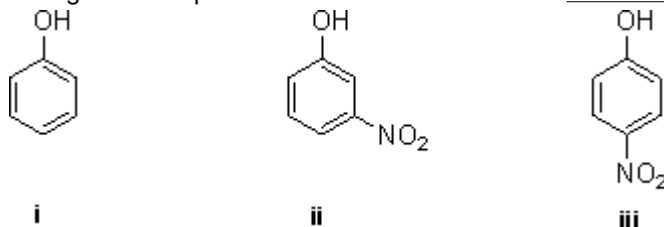
- i
 ii
 iii
 iv
 v

Question 81 points [Save](#)

Which of the following compounds would you NOT expect to be aromatic?



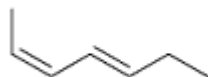
- i
 ii
 iii
 iv
 v

Question 91 points [Save](#)Arrange the compounds shown below in order of increasing acidity.

- i < ii < iii
- i < iii < ii
- ii < i < iii
- ii < iii < i
- iii < ii < i

Question 10**1 points** [Save](#)

Choose the correct name for the following compound.



- (2Z,5Z)-hepta-2,5-diene
- (2Z,4E)-hepta-2,4-diene
- (2E,4E)-hepta-2,4-diene
- (2E,5Z)-hepta-2,5-diene
- (2Z,4Z)-hepta-2,4-diene

[Save](#)[Submit](#)