

## 17.11: SOLUTIONS TO ADDITIONAL EXERCISES

### General Review

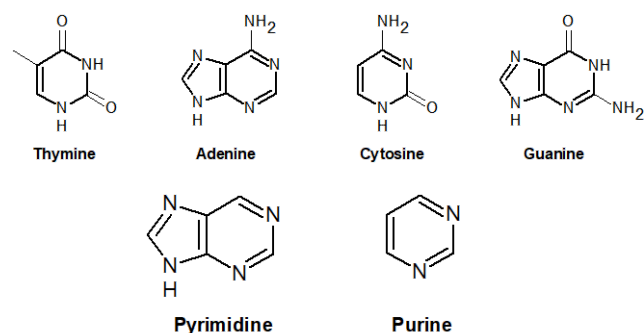
#### 17-1

1. Aromatic
2. Antiaromatic
3. Nonaromatic
4. Aromatic
5. Aromatic
6. Nonaromatic

#### 17-2

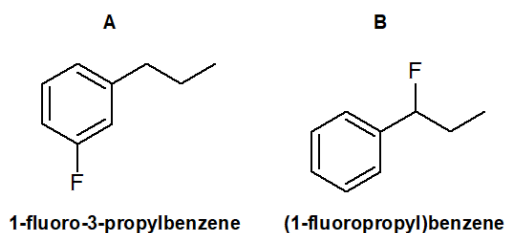
Compound A will be more acidic than compound B due to the aromaticity of its conjugate base. When compound A loses its proton, the new lone pair of electrons can delocalize with the double bonds in the ring, whereas when compound B is deprotonated, its new lone pair of electrons is localized on the nitrogen. Compound B is the stronger base.

#### 17-3



Thymine and Cytosine are derivatives of pyrimidine. Adenine and Guanine are derivatives of purine.

#### 17-4



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