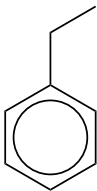
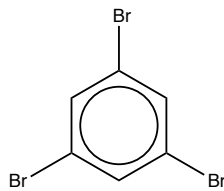
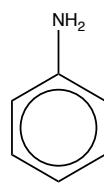
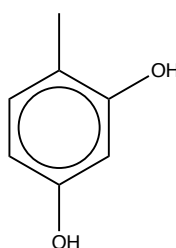




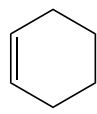
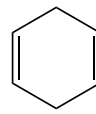
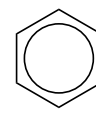
1 Draw the following aromatic compounds.

| | | | |
|---------------------|--------------|----------------------|-----------------------|
| | | | |
| 1,3-dimethylbenzene | phenylethene | 4-nitromethylbenzene | 2-hydroxybenzoic acid |

2 Name the following aromatic compounds.

| | | | |
|--|--|---|--|
|  |  |  |  |
| | | | |

3 a Complete the table to show the enthalpy of hydrogenation of these three compounds.

| | | | |
|--|---|--|---|
| Compound |  |  |  |
| Enthalpy of hydrogenation (kJ mol ⁻¹) | | | |

b What do these values tell us about the structure of benzene?

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