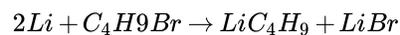


## 9.5: Chapter 5

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### 5.1



### 5.2

Because six ether oxygen atoms of a benzene-soluble crown ether (e.g. 18-dibenzo-crown-6) in a cyclic arrangement coordinate to potassium cation  $K^+$ .

### 5.3

Two methyl groups in the dimeric  $Al_2(CH_3)_6$  bridge two aluminum atoms to form formally 8 covalent bonds requiring 16 electrons. The compound is called electron-deficient because only 12 electrons are supplied from two aluminum atoms (6) and six methyl groups (6).

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