

# 3. Chemical bonding

## 3.2 Ionic bonding

### Paper 2

#### Question Paper

**1** Species such as  $\text{NH}_4^+$ ,  $\text{CO}_3^{2-}$  and  $\text{PO}_4^{3-}$  are examples of molecular ions.

**(a)** Ionic and covalent bonds both involve an electrostatic attraction between different species.

Identify the species that are electrostatically attracted to one another in:

- an ionic bond

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- a covalent bond.

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[2]