

## 35 Polyesters and polyamides — Part 2

### — Answers

---

#### Answers

---

Work through these after trying the questions yourself.

**35.6** A diol and a dicarboxylic acid.

**35.7** Two.

**35.8** A diamine and a dicarboxylic acid.

**35.9** Water.

**35.10** Polyamides.

**35.11** Each amino acid carries the *two* reactive groups a condensation polymer needs. The  $\text{—COOH}$  of one molecule links to the  $\text{—NH}_2$  of the next, forming an amide (peptide) bond and releasing water. Repeating this builds a long polyamide chain — a protein.