

# Chapter 4

## The chemicals of life

### Test yourself questions

- 1 What term is used to describe all of the chemical reactions that take place in living organisms?
- 2 Which reagent is used to test for reducing sugars?
- 3 Which nutrients can provide the body with energy?
- 4 A food sample turned blue-black when tested with iodine solution, and purple when tested with biuret reagent. Which nutrients did it contain?
- 5 What is the name of the smaller molecules that join together in long chains to form protein molecules?

- 6** Which nutrient helps to make haemoglobin, which transports oxygen in the blood?
- 7** What are the smaller molecules from which a fat molecule is made?
- 8** What is the name of the polysaccharide that is used for the storage of energy in a human liver?
- 9** Which element is found in all proteins, but not in carbohydrates or fats?
- 10** In what form is carbohydrate transported in human blood?