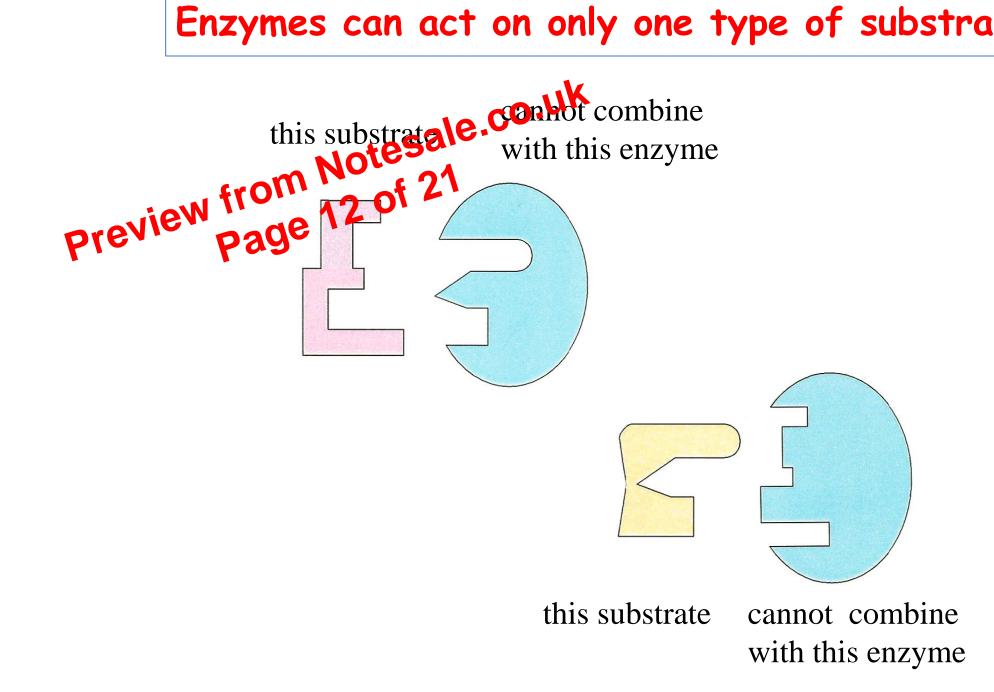
Proteins

- Proteins are made up of carbon let rogen and oxygen molecules but with the addition of nitrogen

 Carbonydrates are made up of glucose units and Proteins are made up of units called
- Carbohydrates are made up of glucose units and Proteins are made up of units called amino acids
- There are about 20 different amino acids. Examples are glycine (Gly), alanine (Ala), valine (Val) and cysteine (Cyst)
- The amino acids, Gly-Val-Val-Cyst-Ala-Gly-Ala-Val joined together would make a small protein
- Proteins make up the structure of cells; cytoplasm, nucleus cell membranes and enzymes

Enzymes can act on only one type of substrate



Important Minerals

Nitrogen: Required by proteins. Essentia to enzymes required for plant function.

Notes a legical to enzymes required for plant function.

Calcium: The mineral that strengthens bone and teeth uses calcium. Also important in nerve synaptic transmission of nerve impulses and muscle contraction. Regulates the cell wall construction in plants.

Phosphorus: Part of the phosphate groups in ATP and DNA molecules. In plants it is needed for cell reproduction and division. It is part of the cell membrane.