

DNA Structure - Part 2



Learning Objectives

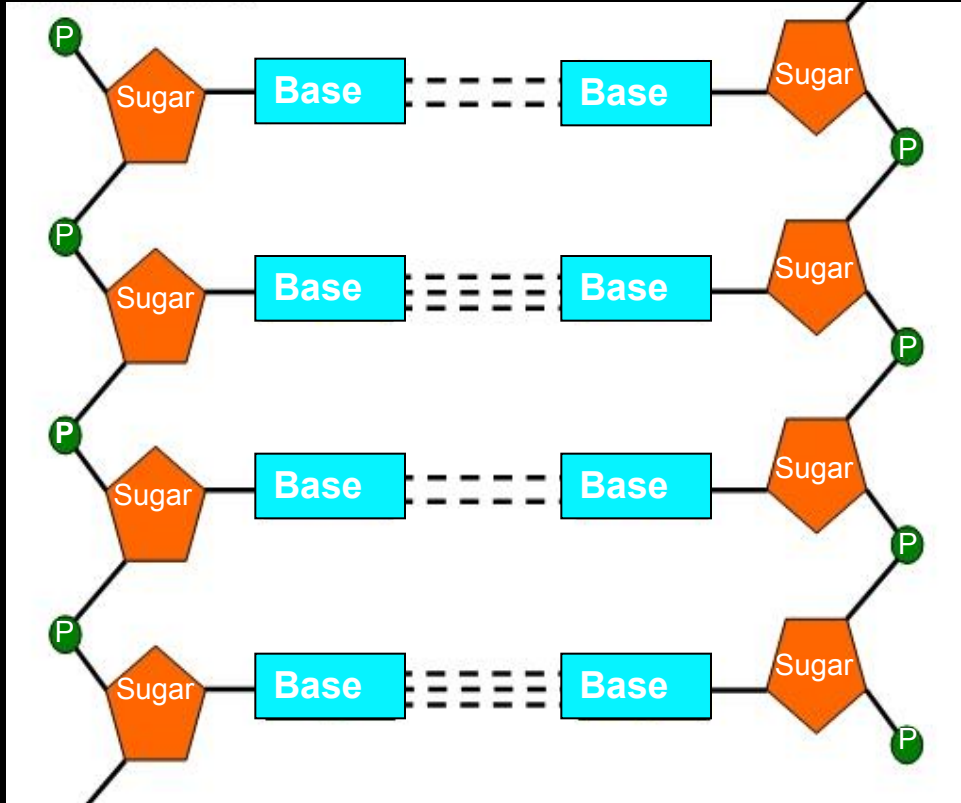
- Describe the basic shape of DNA
- Name the three parts of a nucleotide

The Shape of the DNA Molecule



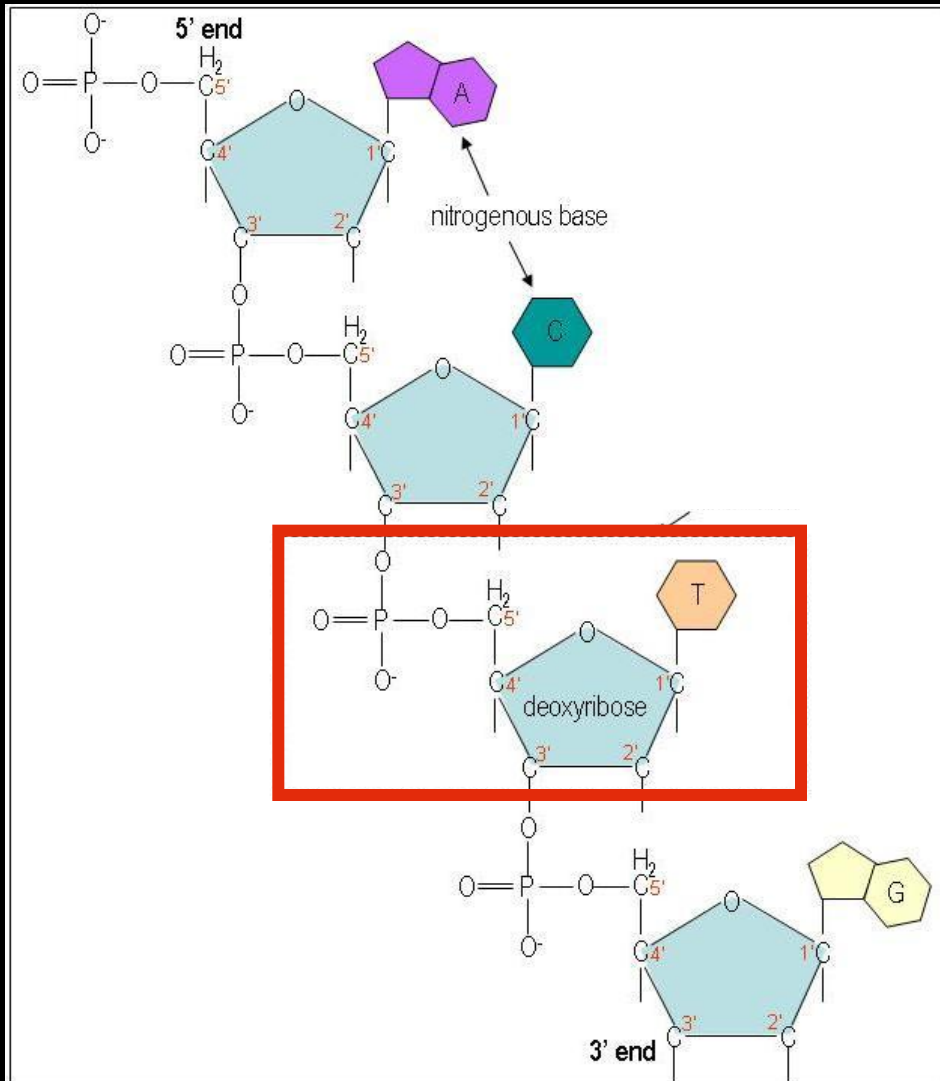
- The basic shape is like a **twisted ladder** called a **double helix**
- The DNA double helix has two strands twisted together

Components of DNA



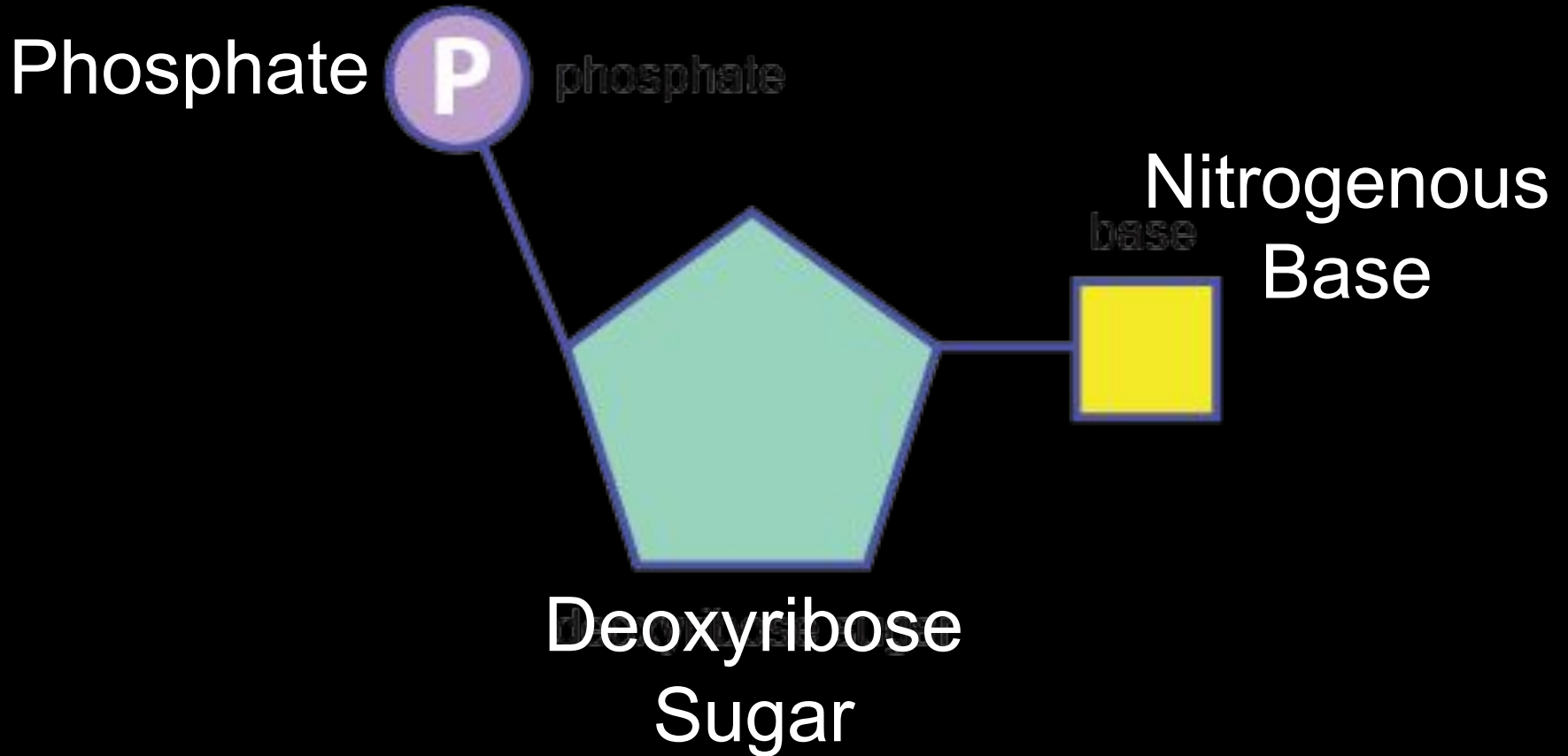
- The DNA backbone is made of alternating **phosphates** and **deoxyribose sugar**
- The rungs are **nitrogenase bases**

Monomer of DNA or RNA



- DNA and RNA are made of monomers called **nucleotides**

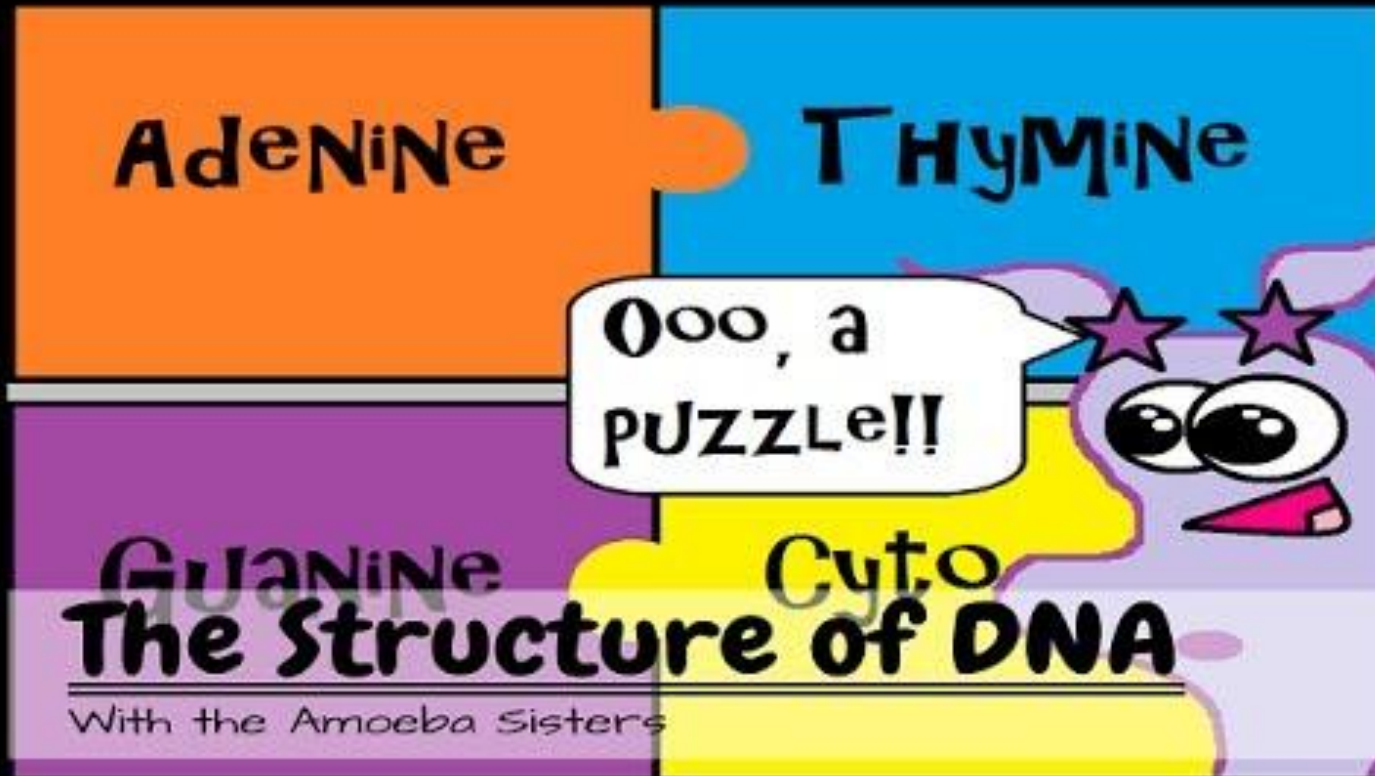
Nucleotide



One deoxyribose sugar, one phosphate and one nitrogenous base make a nucleotide.

DNA Structure

Amoeba Sisters



Stop Here

