

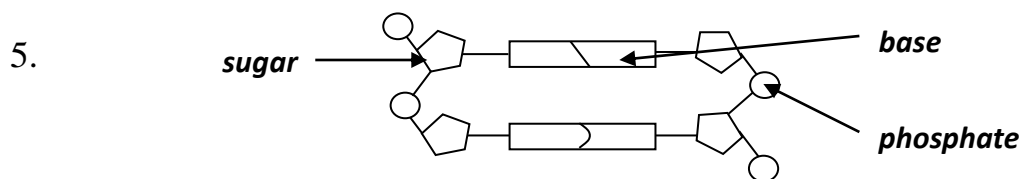
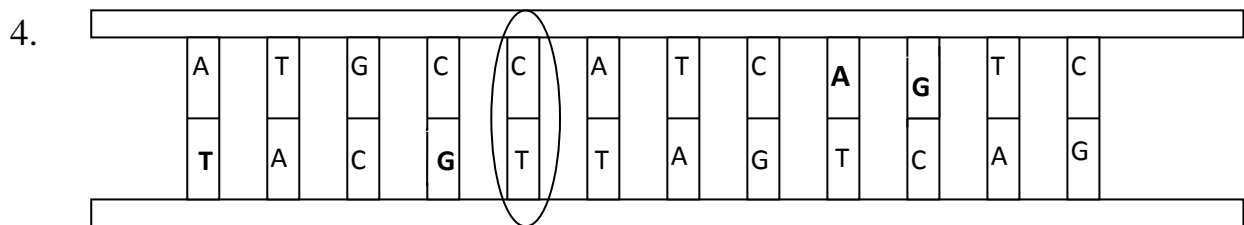
## SCIENCE 1.9

## ANSWERS

### WORKSHEET ONE

### D.N.A.

1. DNA is found in the nucleus of a cell as chromosomes. These chromosomes are made up of genes, which are made up of DNA.
2. DNA is made up like a twisted ladder. The sides are made up of phosphate or sugar groups and the rungs are made up of 4 bases (A,T, G, C).
3. DNA has 2 main purposes:
  - It collects and stores information in order to make a new person
  - It can also be copied so that it can be passed down to offspring/babies/ the next generation



6. Genes are made up of DNA. The order of bases can be different for each person. It is these differences that give each person or organism their individual differences and gives them their special characteristics or traits.
7. D.N.A. – (**deoxyribonucleic acid**) **molecule which makes up genes**  
**Genes** - a unit which produces a characteristic, a length of DNA  
**Nucleus**- **the central part of a cell which contains the genetic material (chromosomes)**