

BIOLOGY 12: CHAPTER 25 - REVIEW WORKSHEET KEY
DNA REPLICATION, PROTEIN SYNTHESIS, & RECOMBINANT DNA

A. DEOXYRIBONUCLEIC ACID (DNA)

1. Genes are found in DNA. Purines and Pyrimidines.
2. Pentose sugar, nitrogenous base, and phosphate group. Specific base pairings in DNA are A-T, G-C.
3. The two strands of DNA twist about one another to form a double helix with the two strands held together by hydrogen bonds between the purines and pyrimidines.
4. The structure of unwound DNA looks like a step ladder. The sides are the sugar-phosphate backbone, and the rungs are the complementary base pairings.
5. James Watson (US), Francis Crick (UK)

