

# QA7 – Nucleic Acids

Name:

Date:

1. Give another name for a nucleic acid.
2. Nucleic acids can be divided into two groups, DNA and RNA. What do DNA and RNA each stand for?
3. Describe the general function of DNA.
4. Describe the general function of RNA.
5. What is a ribosome made from? And what is its role?
6. What is the monomer unit which make up a nucleic acid called?
7. What are the three components of this monomer?
8. What type of bonds join the monomers together to form a nucleic acid?
9. The individual monomers of DNA and RNA have similar, yet different structures. Describe the two key differences in the structures of DNA and RNA.
10. The overall 3D shape of DNA is a double helix, where two strands of DNA combine through complementary base pairing. How does the overall shape of an RNA molecule differ?