Nucleic acids and inheritance

o Van der Waal's forces

Hydrogen bonding

Ester linksPeptide links

A - G T - C

A - T

T – U

0

0

0

The bonding between complementary base pairs is:

The following base pairs can produce complementary base pairing:

1.

2.

3. The type of reaction that forms the sugar-phosphate chains in DNA and RNA is: substitution condensation polymerisation esterification addition polymerisation 4. The sugar present in the nucleotides of DNA is: Deoxyribose Ribose Glucose Fructose Which of the following are pyrimidine bases? 5. cytosine and adenine cytosine and guanine adenine and thymine cytosine and thymine 6. Which of the following are purine bases? adenine and cytosine adenine and uracil adenine and guanine adenine and thymine 7. The four bases in RNA are: adenine, guanine, thymine, uracil adenine, cytosine, thymine, uracil adenine, quanine, cytosine, uracil 0 adenine, guanine, cytosine, thymine 8. The sugars in nucleotides are: trioses pentoses hexoses heptoses Intramolecular bonds in nucleotides are formed by: 9. condensation reactions polymerisation reactions esterification reactions hydrolysis reactions The three components of nucleotides are: 10. a sugar, a phosphate group, a nitrogen-containing base

a sugar, a phosphate group, an amino acid

glucose, a phosphate group, an ester

o glucose, a phosphate group, a nitrogen-containing organic base