- Two H bonds form between T and A (DNA) or U and A (RNA)
- DNA is double stranded in most cells and viruses
 - o The two strands are complementary
 - o The two strands are antiparallel
- Nucleic acid function
 - DNA is genetic material of all organisms and of many viruses
 - Carries instructions for synthesizing RNA and proteins
 - Controls synthesis of all molecules in an organism

Comparison of Nucleic Acids

Characteristic	DNA	RNA
Sugar	Deoxyribose	Ribose
Purine	Deoxyribose A and G T and C T and C T and C	A @O
nucleotides	40581	
Pyrimidine	T and C	U and C
nucleotides	from	
Number of	Dougle Manded in Calcand in most	Single stranded in cells and in
strands P (MA viruses; in de aranded in	most RNA viruses; double
	parvoviruses	stranded in parvoviruses
Function	Genetic material of all cells and DNA	Protein synthesis in all cells;
	viruses	genetic material of RNA
		viruses