**1.** C

[1]

**2.** C

[1]

**3.** A

[1]

**4.** D

[1]

**5.** (a) double helix;

two chains of nucleotides / composed of nucleotides;

nucleotides consist of base, deoxyribose (sugar)and phosphate;

bases are adenine, cytosine, guanine and thymine;

anti-parallel / strands;

 hydrogen bonds between base pairs

only A-T and G-C / complementary base pairs are A-T and G-C;

two bonds between A-T and 3 between G-C; 5 max