**1.** D

[1]

**2.** C

[1]

**3.** B

[1]

**4.** (a) (i) hydrogen 1

(ii) covalent 1

(b) DNA has deoxyribose, RNA has ribose;
DNA has base T/thymine, RNA has base U/uracil; 2

(c) tRNA attaches to (specific) amino acid;
tRNA (with amino acid) moves to the ribosome;
anticodon of tRNA binds with codon of mRNA; 2 max

[6]