

Quiz 4 Answer Key

1. The percent of A always equals the percent T, since A and T are complementary. The same is true for G and C. Thus, sea urchin DNA contains about 32% each of A and T, and 18% each of G and C

2.

Informational Strand: (5'→3')

Template strand: (3'→5')

mRNA: (5'→3')

Tetrapeptide

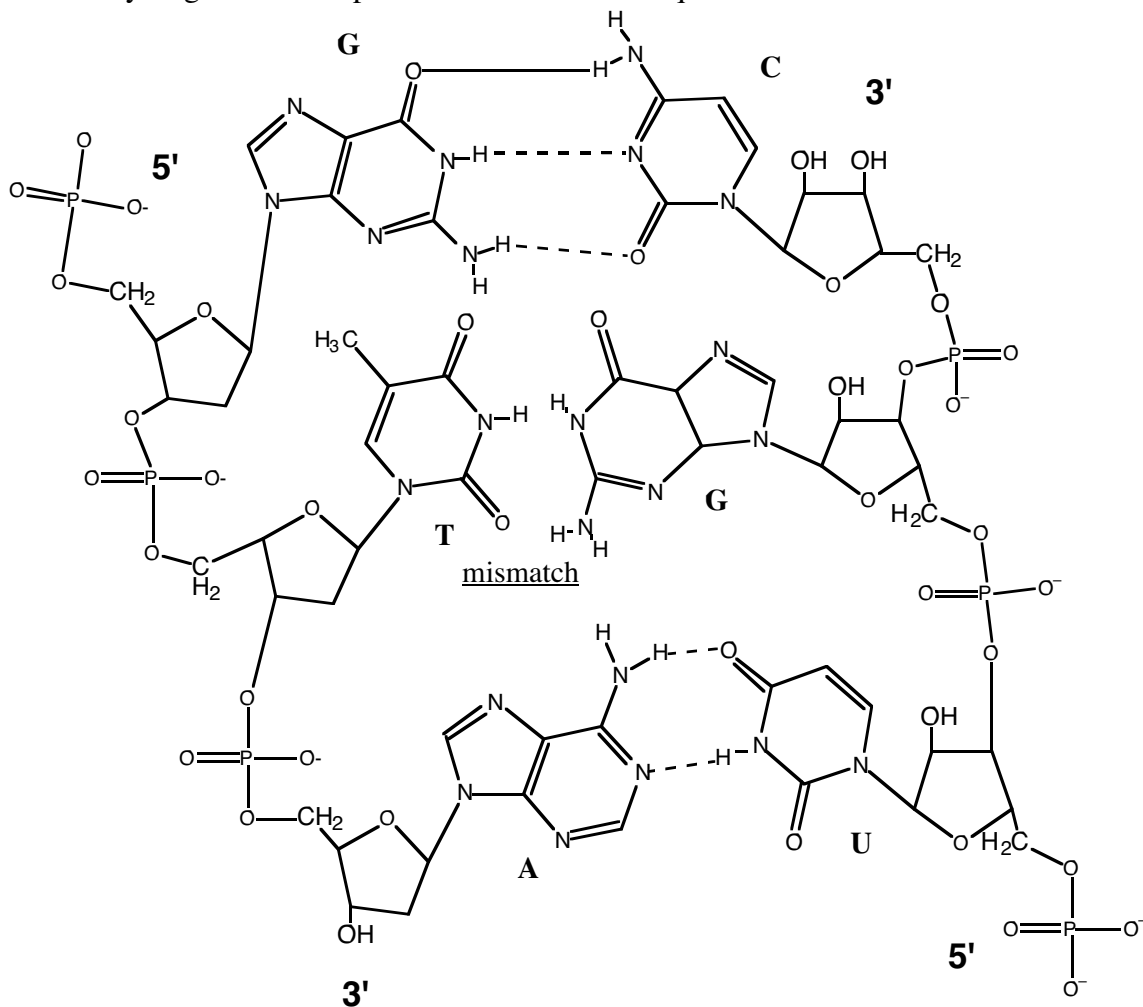
CCT-GAC-GCG-GTT

GGA-CTG-CGC-CAA

CCU-GAC-GCG-GUU

Pro-Asp-Ala-Val

3. The hydrogen bonds depicted below were not required in the answer.



DNA

Sequence: GTA

RNA

Sequence: UGC