| Name _ | Date |
|---|---|
| | Practice Complementary Strands - Homework |
| 1. A DNA strand has the following sequence. What will be the complementary strand? a) CGGAGTATAGTGCAGCGATAATGC | |

- strategy:
 - divide strand into 3-letter codons
 - check carefully that everything lines up
 - suggest: do all the A's, then all the T's, etc.
 - do it in the same way every time!
- 2. Give the complementary sequence for the following DNA strand:

a) AATAGCGGATGCGTGTCCGAG

- 3. What will always be true about the number of A's and T's in any given DNA strand?
- 4. What will always be true about the number of C's and G's in any given DNA strand?
- 5. Give the complementary strand for the following DNA sequence:

a) AATATGGGCGATATA

6. Give the complementary strand for the following DNA sequence:

a) CAATA | CAGCTG | ATGAC

- 7. In the previous question, what do you notice about the sequence between the dividers?
- 8. Give the complementary strand for the following DNA sequence:

a) GAATCCCGGGATAGCA

9. In the question above, is there a palindromic sequence? if so, show it on the question above.