

Test for **DNA to Protein Synthesis** Activity

Name \_\_\_\_\_ Teacher \_\_\_\_\_

Date \_\_\_\_\_ Class \_\_\_\_\_

Check one:

Pretest

Posttest

1a. How many amino acids will result from the following strand of DNA?

A C G C C C A A A T A C

- a. two
- b. four
- c. eight
- d. twelve

1b. Explain your choice.

2. Which of the following best describe the function of DNA in protein Synthesis?

- a. The sequence of amino acids in DNA is copied to create a new protein.
- b. The sequence of nucleotides in the DNA creates a protein directly in the nucleus.
- c. The sequence of amino acids in the DNA instructs a cell on how to make proteins.
- d. The sequence of nucleotides in the DNA instructs a cell on how to make proteins.

3. Describe in sequence, the process of protein synthesis. (Hint: Include at least 5 steps)