

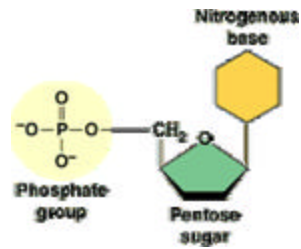
# DNA Information Sheet

## 12-1 – DNA Structure

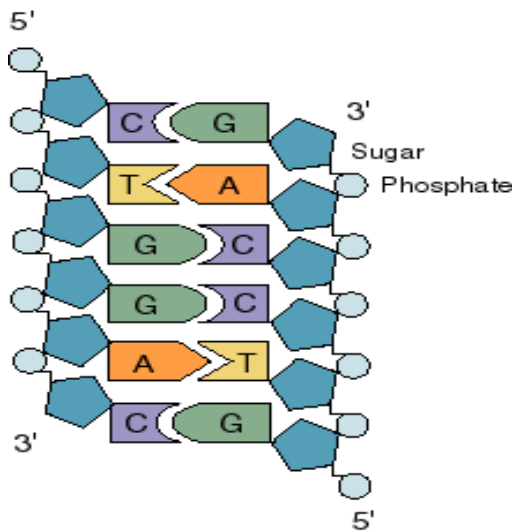
1. What does DNA stand for?
2. Where is DNA found?
3. What is DNA for?

### 4. DNA Structure

- a. Parts
  - i.
  - ii.
  - iii.



- b. Shape
  - i. 2-D Ladder



- b. Shape
  - ii. 3-D – Double Helix



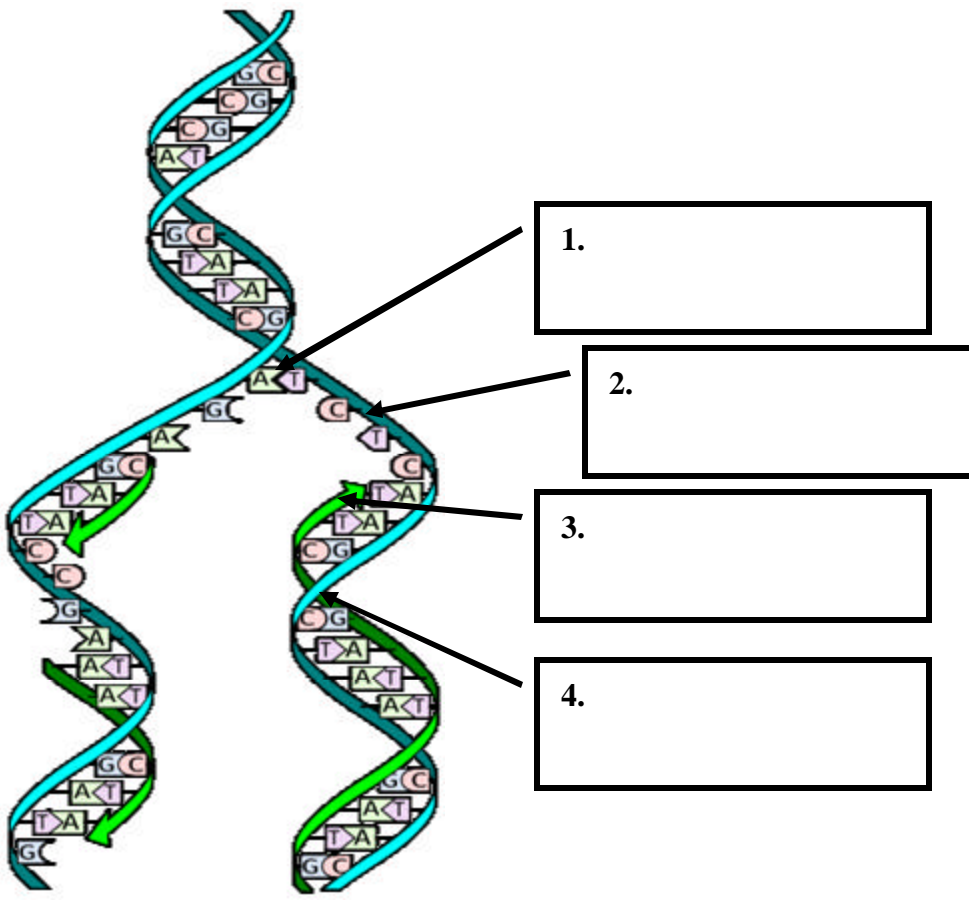
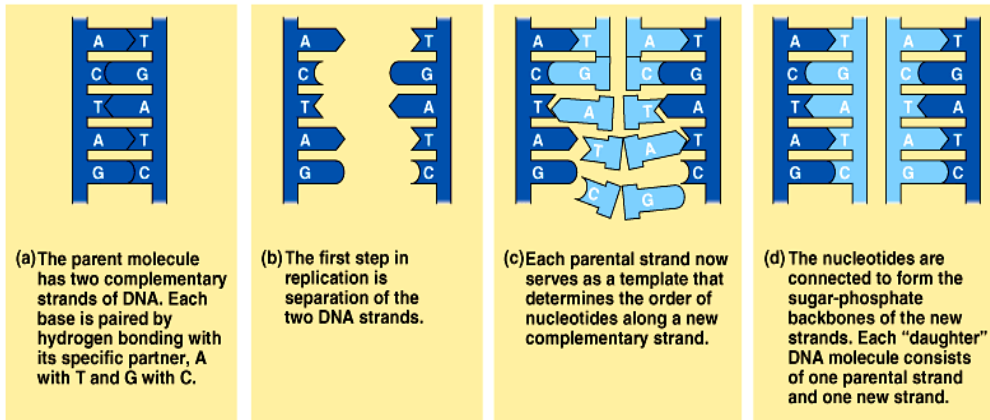
### c. Complimentary pairing

1. – Bases always pair in the same combinations.
  - a. –
  - b. –

## 12 - 2 Replication

### 1. DNA Replication

- a. Definition
- b. Purpose
- c. Process



## 12-3 DNA Transcription & Translation

1. What is a gene?
2. What, specifically, does it contain info about?
3. What parts of your cells know how to follow those instructions?

Where are those organelles located?

What do they make?

How do they know the recipe?

How many of them are there?

4. What delivers the message?

Why is it used instead of DNA?

5. The steps of Transcription

1.

2.

3.

4.

### The DNA Language

DNA carries the recipe to make every protein in your body

What is Protein made of?

How many of that basic building block are there to choose from?

How many "letters" are there in the DNA "language"?

Why is that a problem?

# The Language Solution

## Codon

Number of letters

How to read it

