DNA: The genetic Material
Assignment
Total : /15

Skim and Scan through pages 176-178 and answer the following questions. Your answers can be placed on this sheet.

1. Give the number of chromosomes in each of the following: (1.5)
    a. Humans
    b. Dog
    c. Mouse

2. What does the abbreviation DNA stand for? (1)

3. What does DNA provide to the cell? Name one function. (1)

4. (3.5)
    a. How many letters are in the DNA code
    b. What do these letters stand for?
    c. What letters pair with each other during replication?

5. Briefly describe what happens during DNA replication? Why is it important for this to occur? (3)

6. There are only 4 different nitrogen bases found in DNA, so why are organisms so different? (1)

7.
    a. Briefly describe DNA fingerprinting (2)

    b. What can DNA fingerprinting be used for? Give at least two uses. (2)