

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)