NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE DUE: \_\_\_\_\_\_\_\_\_\_\_\_

TEACHER: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Year 10 Science**

**/16**

**HOMEWORK SHEET No. – LG .**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1.** Write a definition:   |  | | --- | | (a) DNA (name and what it does): | |  | | (3) | | (b) GENE (name and what it does): | | (1) | | (c) CHROMOSOME: | | (1) | | (d) KARYOTYPE: (1) | | /6 |
| **2.** Explain how a simple molecule such as DNA control the function and structures of your body. *(Hint – your answer should discuss how DNA, proteins, and your body are linked)*   |  | | --- | |  | |  | |  | |  | |  | |  | |  | |  | |  | | /4 |
| **3.**  Complete the complementary bases in these two very short DNA sequences  **What do each of the letters A, T, C, and G stand for?** | /**6** |