

Skills Worksheet

Directed Reading

Section: Genome Interactions

Read each question, and write your answer in the space provided.

1. What is a genome?

2. What is meant by the “universal code?”

In the space provided, write the letter of the description that best matches each term.

- | | |
|------------------------|---|
| _____ 3. plasmid | a. introns are examples |
| _____ 4. transposon | b. jumping gene |
| _____ 5. noncoding DNA | c. extra piece of DNA found in bacteria |
| | d. plasmids are examples |
| _____ 6. MGE | |

Complete each statement by underlining the correct term in the brackets.

7. In cell differentiation, cells become [transposed / specialized].
8. Regulatory genes that control development include [homeotic genes / telomeres].

Directed Reading *continued*

In the space provided, explain how the terms in each pair differ in meaning.

9. CDK, cyclin

10. apoptosis, cell differentiation
