

Review and Reinforce

The Genetic Code

Understanding Main Ideas

Answer the following questions in the spaces provided.

1. What is the full name of DNA?

2. What molecules make up the sides of a DNA molecule?

3. What are the pairs of nitrogen bases in DNA?

4. How are DNA, genes, and chromosomes related?

5. Why is DNA replication important?

Building Vocabulary

Write a definition for each of these terms on the lines below.

6. nitrogen base

7. DNA replication

Use a copy machine to copy onto letter-size paper.

Review and Reinforce

How Cells Make Proteins

Understanding Main Ideas

Answer the following questions in the spaces provided.

1. Why are there so many different kinds of proteins when there are only 20 different amino acids?

2. How are DNA and RNA different?

3. Describe the steps in protein synthesis.

Building Vocabulary

Write a definition for each of these terms on the lines below.

4. messenger RNA

5. transfer RNA

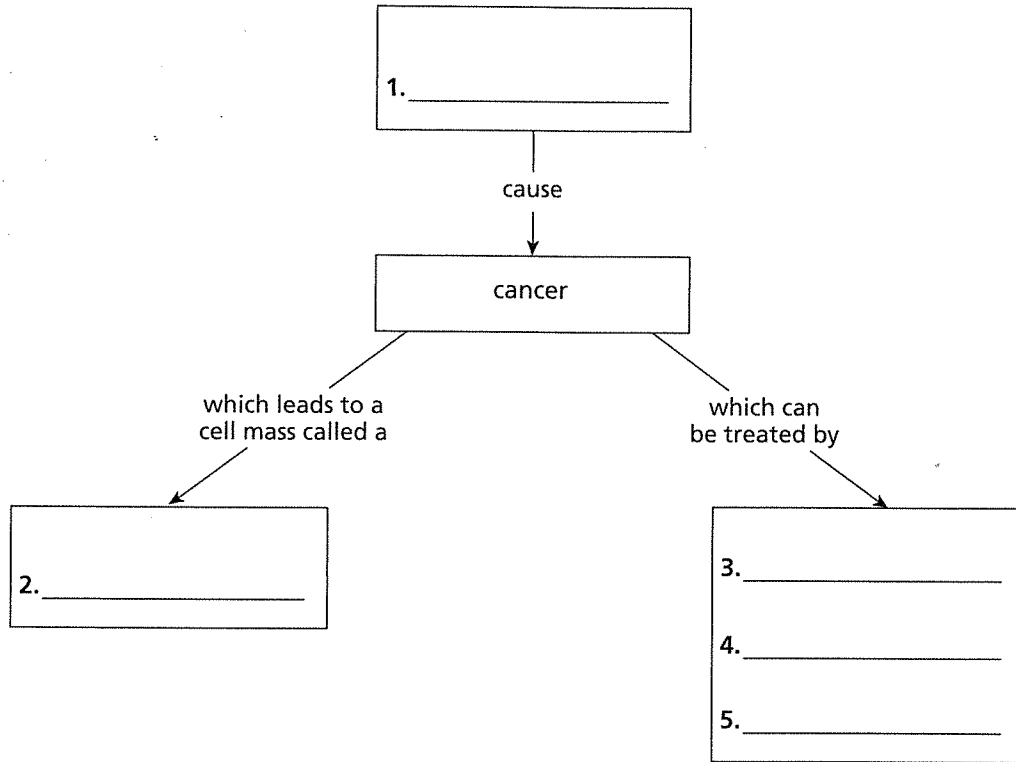
Place the outside corner, the corner away from the dotted line, in the corner of your copy machine to copy onto letter-size paper.

Review and Reinforce

Mutations

Understanding Main Ideas

Fill in the blanks to complete the concept map below.



Answer the following questions on a separate sheet of paper.

6. How do mutations lead to cancer?
7. How can cancer spread from a tumor to other parts of the body?
8. What are two ways the risk of some types of cancer can be reduced?

Building Vocabulary

On a separate sheet of paper, write a definition for each of these terms.

9. cancer
10. mutation
11. tumor
12. chemotherapy

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