



## DIGITAL OPTIONS AVAILABLE

# STUDY GUIDE

# REVIEW STRATEGIES • CRITICAL THINKING

# Includes **PRINT** or **DIGITAL** Options

## CELL CYCLE

**SECTION 1**  
Directions: Write the equation for photosynthesis in the box and then explain its process using the diagram below. Include in your explanation the stages of photosynthesis.

Date: \_\_\_\_\_

**SECTION 2**  
Directions: Fill in the box below with the respiration equation, and then describe the stages of cellular respiration.

Initials: \_\_\_\_\_

**SECTION 3**  
Directions: Answer the questions about the cell cycle and its three stages below.

Stage 1: Interphase  
Describe the process that occurs during interphase.

Initials: \_\_\_\_\_

Stage 2: Mitosis  
What happens during mitosis.

Initials: \_\_\_\_\_

**SECTION 4**  
Directions: Label each stage of mitosis on the diagram. Fill in the blanks below with the correct stage that fits the description.

Initials: \_\_\_\_\_

Prophase  
Anaphase  
Metaphase  
Telophase

**SECTION 5**  
Directions: Answer the questions below about DNA.

Initials: \_\_\_\_\_

1. What do the letters DNA stand for?  
\_\_\_\_\_

2. What does the DNA code contain?  
\_\_\_\_\_

3. What are the "rungs" of the ladder?  
\_\_\_\_\_

4. Which section of DNA contains information about you?  
\_\_\_\_\_

5. What is the role of DNA in your body?  
\_\_\_\_\_

**SECTION 6**  
Directions: Answer the questions below about cell cycle and cancer.

Initials: \_\_\_\_\_

Explain the control system of a cell cycle and how cancer is a disruption to that cycle.

A malignant tumor is \_\_\_\_\_

A benign tumor is \_\_\_\_\_

**Environmental Causes of Cancer**

- \*
- \*
- \*

**Genetic Causes of Cancer**

- \*
- \*
- \*

Directions: Draw a line from the nitrogen bases together.

Thymine:

Cytosine:

Guanine:

Adenine:

What are some possible treatments of cancer?  
\_\_\_\_\_



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critical thinking

vocabulary building

theme connection

compare and contrast

matching

problem solving

fill-in-the-blank

concept mapping

short answer

interpreting data

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