



DIGITAL OPTIONS  
AVAILABLE

# STUDY GUIDE

REVIEW STRATEGIES · CRITICAL THINKING

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

**SECTION 2**

Directions: Explain the four stages of human hearing in the graphic below.

Stage 1

Stage 2

Stage 3

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

**SECTION 3**

Directions: Explain in your own words what music is and include the terms *sound quality*, *over tones*, and *resonators*.

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

**SECTION 4**

Directions: Give the definition for each term and then provide an example for each.

| Definition | Opaque | Translucent | Transparent |
|------------|--------|-------------|-------------|
|            |        |             |             |
|            |        |             |             |
|            |        |             |             |
|            |        |             |             |
|            |        |             |             |

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

**SECTION 5**

Directions: Write the letter of the correct description on the line provided.

| Column A       | Column B  |
|----------------|---|
| Plane Mirror   | a. mirror surface is curved inward              |
| Convex Mirror  | b. helps to focus light to form images          |
| Concave Mirror | c. flat, smooth mirror; image appears upright   |
| Convex Lens    | d. thinner in middle; rays away from each other |
| Concave Lens   | e. mirror is curved outward                     |

Directions: Identify each type of lens or mirror and write the letter below the picture.

| A     | B     | C     |
|-------|-------|-------|
|       |       |       |
| _____ | _____ | _____ |

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

**SECTION 6**

Directions: Answer the questions below about your eyes.

1. Explain how your cornea and retina allow you to see.
2. What is nearsightedness?
3. What is farsightedness?
4. Why do you think people become farsighted?

Directions: Pick *one* of the pictures below and explain how it works.

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

**SECTION 7**

Directions: Scan the QR code to watch the video about bats and answer the questions below.

1. Bats use a combination of what three things to allow them to see in the dark?
2. What is an echo?
3. Do sound waves of a high frequency produced a low or high pitch?
4. Explain what happens after a bat chirps.
5. How does the bat differentiate between clutter and insects?
6. What other animals use echolocation?

Did you know sound travels about four times faster through water than it does through air?

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



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Each study guide provides a combination of strategies which may include:

graphic organizers

critical thinking

vocabulary building

theme connection

compare and contrast

matching

problem solving

fill-in-the-blank

concept mapping

short answer

interpreting data

real world application

QR videos with accompanying questions



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