

## Active Reading

### Section: Themes of Biology

Read the passage below. Notice that the sentences are numbered. Answer the questions that follow.

<sup>1</sup> All living things are able to pass on their characteristics (traits) to their offspring because the genes that determine their characteristics are passed on from parent to offspring each generation. <sup>2</sup> Genes are sets of inherited instructions for making proteins that are coded in a molecule called deoxyribonucleic acid (DNA). <sup>3</sup> The passing of traits from parents to offspring is called **heredity**. <sup>4</sup> Heredity is the reason children tend to resemble their parents. <sup>5</sup> Sometimes damage causes genes to change. <sup>6</sup> A change in the DNA of a gene is called a **mutation**. <sup>7</sup> Mutations in sex cells (eggs and sperm) are passed on to other generations. <sup>8</sup> Mutations in body cells are not, but they may disrupt the control of cell reproduction, producing cancer.

#### SKILL: READING EFFECTIVELY

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

1. Why does the word *traits* appear in parentheses in Sentence 1?

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2. The word *genes* appears in boldface type in Sentence 2. What does the use of boldface type indicate?

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3. Based on Sentence 3, how would you define the word *heredity*?

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# Holt Biology Directed Reading Worksheet Chromosomes Answers

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The Top Books of the Year Holt Biology Directed Reading Worksheet Chromosomes Answers The year 2023 has witnessed a noteworthy surge in literary brilliance, with numerous compelling novels enthralling the hearts of readers worldwide. Lets delve into the realm of bestselling books, exploring the engaging narratives that have enthralled audiences this year. The Must-Read : Colleen Hoover's "It Ends with Us" This heartfelt tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. Holt Biology Directed Reading Worksheet Chromosomes Answers : Taylor Jenkins Reid's "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reid's absorbing storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Holt Biology Directed Reading Worksheet Chromosomes Answers : Delia Owens' "Where the Crawdads Sing" This captivating coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens weaves a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These popular novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of captivating stories waiting to be discovered. The novel begins with Richard Paffenbarger, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and thrilling novel that will keep you guessing until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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