

Biology EOC Review

Review Packet III answers

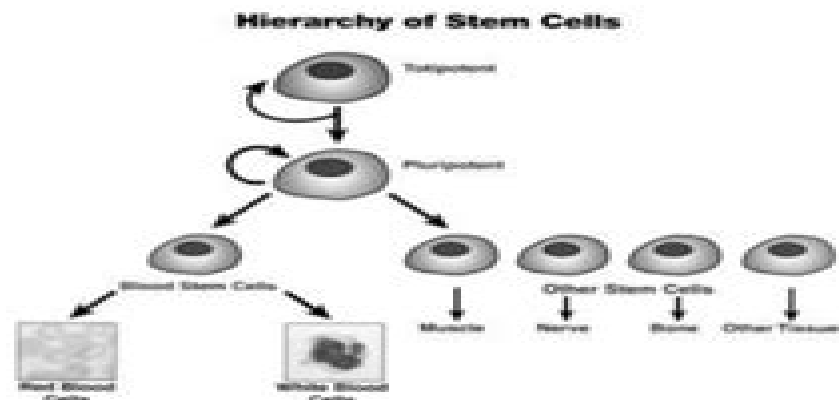
This answer key may not follow your review sheet exactly, but it will help you to check most of the questions. Circle problem areas, look in your text book for answers and ask me in class.
IGNORE THE PAGE NUMBERS!

Remember to complete your probes and look for **extra credit probes**. . They will only be available for **a short time**.

Stem Cells

1. The diagram to the right shows how stem cells can develop into many types of different cells. What are some of the potential benefits that could come from the growing of stem cells in a laboratory?
**New organs could be grown (no rejection);
 cancerous cells replaced with good cells;
 genetic disorders replaced by new cells.**

2. What are some of the ethical issues surrounding the collection and use of stem cells?
**Embryonic stem cells come from embryos
 and how those embryos are collected is problematic.**



3.05 Examine the development of the theory of evolution by natural selection including: development of the theory, the origin and history of life, fossil and biochemical evidence, mechanisms of evolution, and applications (pesticide and antibiotic resistance).

In the following chart, describe the role of each of the following in developing the current theory of evolution.

	How this supports the evolutionary theory:
Understanding of geology (Changes in the earth) p. 374	Understanding that the earth changes over time explains why organisms might change to fit the new environments.
Malthus' ideas about population Growth p. 374	Organisms reproduce exponentially but the world is not overcrowded by organisms – because they compete to survive
Embryological Similarities p. 385	Similar anatomy early in development suggests similar ancestry .
Patterns in fossil evidence p. 417	Following the patterns and aging the fossils suggests evolutionary trees.
Homologous Structures p. 384	Similar anatomy suggests similar ancestry
Biochemical comparisons (DNA and proteins) p. 394	Similar DNA and/or proteins suggests similar ancestry
The role of variations p. 380, 407	Variations provide the fuel for natural selection . Those variations that are advantageous are selected for; survive and are passed on.
The role of sexual reproduction	Sexual reproduction is a source of variation .

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O García



Eoc Review Packet Answers:

Eoc Review Packet Answers: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous compelling novels enthralling the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the engaging narratives that have charmed audiences this year. Eoc Review Packet Answers : 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 expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. Uncover the Best : Taylor Jenkins Reids "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. Reids compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : 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 spins a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These top-selling 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 Papen, 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 an exceptional and suspenseful 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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