

Science

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(Chapter - 20) (History of Life on Earth) (NIOS)

(Class - X)

Question 5:

From the geological time scale, find out the time in million years ago (mya) when:

- (i) Dinosaurs became extinct _____
- (ii) Human evolution began _____
- (iii) Flowering plants became dominant on earth _____

Answer 5:

- (i) Dinosaurs became extinct 144 – 65 million years ago.
- (ii) Human evolution began 1.5 – 2 million years ago
- (iii) Flowering plants became dominant on earth 57 – 34 million years ago.

Intext Questions 20.2

Question 1:

Who is Charles Darwin? Name his famous book on natural selection.

Answer 1:

Charles Darwin (1809-1882) was an English naturalist and biologist renowned for his groundbreaking contributions to the theory of evolution through natural selection. His seminal work, "On the Origin of Species," published in 1859, laid out the concept of natural selection as the driving force behind the gradual transformation of species over time. Darwin's ideas revolutionized our understanding of the diversity of life on Earth, emphasizing the role of adaptation to the environment and the gradual accumulation of advantageous traits in the process of evolution. "On the Origin of Species" remains a cornerstone in the study of biology and evolutionary theory.

Question 2:

Mention his two major contributions.

Answer 2:

Charles Darwin made two important contributions to the field of biology and natural selection:

Evolutionary Theory

Darwin presented the theory of evolution of organisms in his major treatise "On the Origin of Species". His argument was that organisms change gradually and this change occurs through natural selection, which leads to the accumulation of recessive traits.

Natural Selection

Darwin presented the theory of natural selection while studying the uniqueness of different organisms and their adaptations during his visit to Big Pamber Island. This was explained simply in his book "On the Origin of Species", making his theory accessible to the common people. According to natural selection, the organism which is more adapted to its environment has better survival capacity and evolves accordingly.

Earth Science Chapter 20 Worksheet Answers

N Noddings



Earth Science Chapter 20 Worksheet Answers:

Earth Science Samuel N. Namowitz, Nancy E. Spaulding, 1989 Glencoe Earth Science Ralph M. Feather, 1999 Earth science is the study of Earth and space It is the study of such things as the transfer of energy in Earth's atmosphere the evolution of landforms patterns of change that cause weather the scale and structure of stars and the interactions that occur among the water atmosphere and land Earth science in this book is divided into four specific areas of study geology meteorology astronomy and oceanography p 8 9 **Glencoe Science** McGraw-Hill Staff, 2001-08 **Sample Campus Environmental Audits**, 2005 Holt Science and Technology Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2001 **Glencoe Sci Earth Science Chapter 21 Our Impact on Water and Air Chp Res 519 02** McGraw-Hill Staff, 2001-08 **Books in Print Supplement**, 2002 Resources in Education, 2001-10 Te HS&T J Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2004-02 **Science Insights**, 1999 **Addison-Wesley Science Insights**, 1996 **Holt Science and Technology 2002** Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2002 **Science Spectrum** Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2003-03 **Reauthorization of the Higher Education Act of 1965** United States. Congress. Senate. Committee on Labor and Human Resources. Subcommittee on Education, Arts, and Humanities, 1991 This volume presents transcripts of seven hearings held in May 1991 on the reauthorization of the Higher Education Act of 1965 Of the hearings held in the District of Columbia the first focused on the Pell Grant and Stafford Loan programs and featured witnesses from around the country addressing educational finance The second hearing focused on the process of accreditation certification and licensing that determines institutional participation in the Federal student aid programs and featured witnesses from educational institutions and professional associations The final hearing presented the testimony of college executives representatives of educational associations and others on Title VI which supports international education and Title III concerned with institutional aid and funding for institutional facilities The hearings in other cities provided an opportunity for legislators to hear additional suggestions and recommendations from students teachers administrators institutional executives and state agencies on the reauthorization of higher education programs Included are the prepared statements of the witnesses as well as additional statements correspondence and supplemental material JB Differentiating the High School Classroom Kathie F. Nunley, 2006 Places all of a teacher's concerns on the table and whittles them away with classroom strategies Toby Karten Educational Consultant The ideas in this book will be useful for years to come William Fitzhugh Teacher Reisterstown Elementary School MD In the good old days we didn't have to differentiate If this is how you feel about differentiated instruction DI you are not alone Although research shows that DI maximizes learning and neural development teachers still struggle with its challenges especially in the high school classroom Applying her unique expertise as a researcher teacher trainer and parent Kathie F Nunley provides practical and supportive solutions to the real obstacles teachers face in mixed ability high school classrooms Each chapter

lists an obstacle I have too much content to cover or I can't grade all those different assignments or I thought I was differentiating and then provides a discussion of the pedagogical and curriculum issues Ready to use solution strategies Examples and scenarios showing the strategies in action Practice assignments Written with common sense wisdom and humor this easy to navigate guide is a must have resource for all high school teachers and instructional leaders committed to the benefits of differentiated instruction for high school learners *Te HS&T 2007 Shrt Crs M* Holt Rinehart & Winston, 2007 Holt Science: Teacher's edition Joseph Abruscato, 1989 **Astronomy** Alton Biggs, 2002 Holt Science and Technology Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2004 *Discover Science: Teacher's annotated edition*, 1991 Science content helps develop the skills needed to understand how science works learn new concepts solve problems and make decisions in today's technological society

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