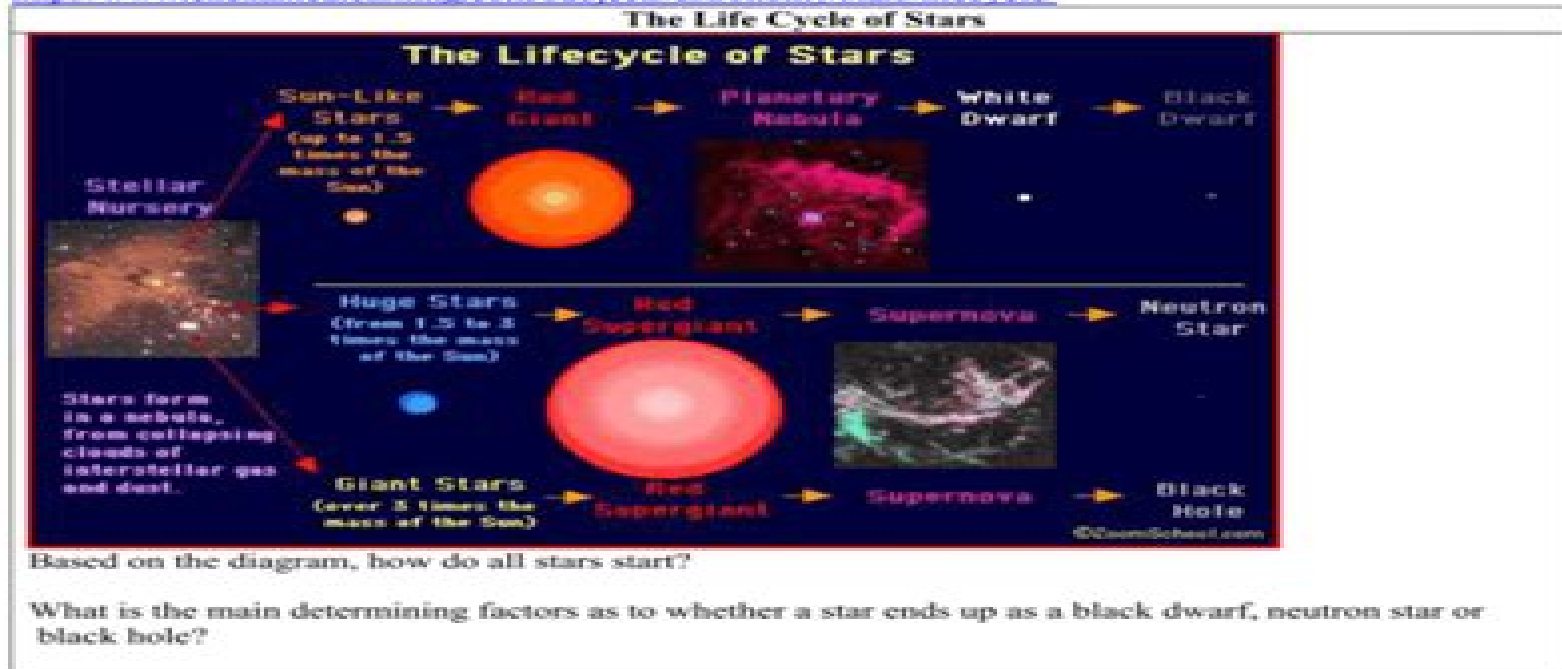


Star Life Cycle Web Activity

Directions: Click on each of the links. READ all of the information on each page AND read information within the animation link or interactive labs. You will be tested on the information you gather. Give detailed answers for each question.

I. Look at this Star Lifecycle diagram taken from

<http://www.enchantedlearning.com/subjects/astronomy/stars/lifecycle/>



II. Go to http://sunshine.chpc.utah.edu/labs/star_life/starlife_main.html This page will give more details on each of these stages. Read the content of this first page. [This website is sponsored by the University of Utah and ASPIRE Astrophysics Science Project – Integrating Research & Education.]

- 1) Using the human life cycle analogy, what star phase is the birth (fetus) of a star and what is the usual end stage (death) of the star?
- 2) Describe what the interstellar medium is....what are 3 of the elements involved?

Star Life Cycle Web Activity Teacher Key

**Nancy Fichtman Dana, Diane Yendol-
Hoppey, Logan Rutten**



Star Life Cycle Web Activity Teacher Key:

Prentice Hall Science Explorer: Teacher's ed, 2005 *Resources in Education*, 2001-10 **The Online Teaching Survival Guide** Judith V. Boettcher, Rita-Marie Conrad, 2016-08-26 Essential reading for online instructors updated to cover new and emerging issues and technologies The Online Teaching Survival Guide provides a robust overview of theory based techniques for teaching online or technology enhanced courses Covering all aspects of online teaching this book reviews the latest research in cognitive processing and related learning outcomes while retaining a focus on the practical A simple framework of instructional strategies mapped across a four phase timeline provides a concrete starting point for both new online teachers and experienced teachers designing or revamping an online course Essential technologies are explored in their basic and expanded forms and traditional pedagogy serves as the foundation for tips and practices customized for online learning The tips cover course management social presence community building integration of new technologies discussion and questioning techniques assessment and debriefing along with new coverage of intensive or accelerated courses customizing learning strategies developing expertise advanced course design and assessment techniques exclusive to this new second edition The theory and techniques of successful online teaching can be significantly different from those used face to face With more and more classes being offered online this book provides a valuable resource for taking your course to the next level Understand the technology used in online teaching Learn specialized pedagogical tips and practices Examine new research on cognition and learning Adopt a clear framework of instructional strategies The explosion of online learning has created a demand for great online teachers Increasingly faculty who normally teach face to face are being asked to cover online courses yet comprehensive pedagogical resources are scarce The learning curve is huge and faculty need a practical approach to course design and management that can be quickly and easily implemented The Online Teaching Survival Guide provides that essential resource with a customizable framework and deeper exploration of effective online teaching

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Science Model Curriculum Guide, Kindergarten Through Grade Eight California. State Department of Education, 1987 This guide was developed with the intention of helping teachers and school site administrators in California review the elementary science curriculum and compare it to an idealized model that is presented in the document Part I of the guide provides a summary of a number of characteristics considered to be important to a strong elementary science program It was designed to aid teachers principals and parents in identifying features of their local science program where attention is needed Part II presents a full scale portrait of an elementary science program that focuses on the development of student understanding This section presents teaching ideas that are concerned with both the knowledge base and science

process skills Common themes are present in the discussion of science instruction in the various subject areas The disciplines and associated themes addressed are 1 biological science cells genetics evolution plants protists animals human beings ecosystems 2 earth science astronomy geology and natural resources meteorology oceanography and hydrology and 3 physical science matter mechanics energy sources and transformation heat light electricity magnetism and sound TW

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allowing or even supporting these changes Traditional approaches to software engineering reach their limits whenever the full spectrum of user requirements cannot be anticipated or the frequency of changes makes software reengineering cycles too clumsy to address all the needs of a specific field of application Moreover the increasing importance of infrastructural aspects particularly the mutual dependencies between technologies usages and domain competencies calls for a differentiation of roles beyond the classical user designer dichotomy End user development EUD addresses these issues by offering lightweight use time support which allows users to configure adapt and evolve their software by themselves EUD is understood as a set of methods techniques and tools that allow users of software systems who are acting as non professional software developers to 1 create modify or extend a software artifact While programming activities by non professional actors are an essential focus EUD also investigates related activities such as collective understanding and sense making of use problems and solutions the interaction among end users with regard to the introduction and diffusion of new configurations or delegation patterns that may also partly involve professional designers

Resources for Teaching Middle School Science
Smithsonian Institution, National Academy of Engineering, National Science Resources Center of the National Academy of Sciences, Institute of Medicine, 1998-04-30

With age appropriate inquiry centered curriculum materials and sound teaching practices middle school science can capture the interest and energy of adolescent students and expand their understanding of the world around them *Resources for Teaching Middle School Science* developed by the National Science Resources Center NSRC is a valuable tool for identifying and selecting effective science curriculum materials that will engage students in grades 6 through 8 The volume describes more than 400 curriculum titles that are aligned with the National Science Education Standards This completely new guide follows on the success of *Resources for Teaching Elementary School Science* the first in the NSRC series of annotated guides to hands on inquiry centered curriculum materials and other resources for science teachers The curriculum materials in the new guide are grouped in five chapters by scientific area Physical Science Life Science Environmental Science Earth and Space Science and Multidisciplinary and Applied Science They are also grouped by type core materials supplementary units and science activity books Each annotation of curriculum material includes a recommended grade level a description of the activities involved and of what students can be expected to learn a list of accompanying materials a reading level and ordering information The curriculum materials included in this book were selected by panels of teachers and scientists using evaluation criteria developed for the guide The criteria reflect and incorporate goals and principles of the National Science Education Standards The annotations designate the specific content standards on which these curriculum pieces focus In addition to the curriculum chapters the guide contains six chapters of diverse resources that are directly relevant to middle school science Among these is a chapter on educational software and multimedia programs chapters on books about science and teaching directories and guides to science trade books and periodicals for teachers and students Another section features institutional resources One chapter lists about 600 science

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The Everything Guide to Informational Texts, K-2 Kathy H. Barclay, Laura Stewart, Deborah M. Lee, 2014-02-20 Your resource for best texts and best practices Kathy Barclay and Laura Stewart have written the book that teachers like you have been pleading for a resource that delivers the what I need to know to engage kids in a significant amount of informational text reading experiences No filler no lofty ideals about college and career readiness but instead the information on how to find lesson worthy texts and create developmentally appropriate instructional plans that truly help young readers comprehend grade level texts What you ll love most The how to s on selecting informational texts High impact comprehension strategies Model text lessons and lesson plan templates An annotated list of 449 informational texts

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