

Spheres of Earth: Reference Table Scavenger Hunt



Name: _____ Class: _____ Date: _____

Objective: To be able to understand the differences, similarities and characteristics of the Atmosphere, Hydrosphere, and Lithosphere! *Use your ESRT

The Atmosphere

1. What is the average chemical composition of the Troposphere (by volume)? **21% O, 78% N, 1% other**
2. In which layer of the atmosphere does most of the weather occur? How do you know this?
Troposphere, because this is the only layer that contains water vapor.
3. Based on your knowledge, in which season is the air dry, winter or summer? **Winter** Based on this where would you find moist air at high latitudes or low latitudes (poles or equator)? **Equator**
4. In which layer of the atmosphere is most of the water vapor? **Troposphere**
5. In which layers of the atmosphere does temperature increase with altitude? **Stratosphere, Thermosphere**
6. In which layers of the atmosphere does temperature decrease with altitude? **Troposphere, Mesosphere**
7. What phase of matter is the atmosphere? **Gas**

The Hydrosphere:

- Earth's thinnest layer- average depth= 4km
 - 99% of Hydrosphere is made of up oceans
 - Salt Water- 96.5% water, 3.5% salt
 - 1% of Hydrosphere- Freshwater
 - Groundwater is about 25x more abundant than surface Freshwater
1. What is the average chemical composition of the hydrosphere by volume? **33% O, 66% Hydrogen 1% other**
 2. What is the average density of the hydrosphere? **1.0 g/mL**
 3. At what temperature in degrees Celsius does water have its highest density? **3.98 degrees Celsius**

The Lithosphere:

- Earth's Rigid outer layer (outer layer of Geosphere)
 - Only explored to 12 km depth!
 - Top 100 km of Geosphere (Geosphere-solid and molten rock from surface to center of earth more than 6000km deep!)
1. What is the average chemical composition of the lithosphere (crust) by volume? **94.04% O, .88% Si, .48% Al, .49% Fe, 1.18% Ca, 1.11% Na, .33% Mg, 1.42% K, Other .07%**
 2. What is the average density of Continental Crust? **2.7 g/cubic cm**
 3. What is the average density of Oceanic Crust? **3.0 g/cubic cm**

Reference Table Scavenger Hunt Answers

Lynn Van Gorp



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Everyday Mathematics: Teacher's lesson guide v. 1 [v.3] Teacher's lesson guide v. 2, 2004 **Everyday Mathematics Teacher Lesson Guide Volume 1 Grade 5** University of Chicago. School Mathematics Project, 2007 The Teacher's Lesson Guide provides easy to follow lessons organized by instructional unit as well as built in mathematical content support Lessons include planning and assessment tips and multilevel differentiation strategies for all learners This English Spanish Edition provides dual language support **Everyday Mathematics**, 2004 Contains easy to follow three part daily lesson plans This assists teachers in focusing on lesson objectives providing ongoing practice for all students and addressing individual student needs for a variety of populations A unit organizer provides learning goals planning and assessment support content highlights a materials chart suggestions for problem solving cross curricular links and options for individualizing Each guide is grade level specific *Study Skills 1* Saddleback Educational Publishing Staff, Laurel Associates Inc Staff, 2008-09-01 From reducing the stress of test taking to looking up words in a dictionary these binders have it all Includes organizing for study improving memory taking notes goal setting and more Topics Include Time Management Planning and Goal Setting Developing a Learning Style Paraphrasing and Summarizing Answering Essay Questions and more **Sports Page Scavenger Hunts** Tom Burt, 2000-05 **Preceptor's Handbook for Pharmacists** Lourdes M. Cuellar, Diane B. Ginsburg, 2019-12-31 ASHP's significantly updated 4th edition of our widely popular Preceptor's Handbook for Pharmacists expands the content to include current challenges and issues impacting preceptors since fundamental changes have occurred that greatly affect modern practice including The onboarding process Wellness and resiliency Misconduct and inappropriate behaviors Teaching across diverse student populations Ethics To be an effective preceptor a pharmacist should exhibit clinical competency skills possess excellent communication skills and also demonstrate humanistic skills This edition includes perspectives from across the country and from different or unique practice programs to bring a wide variety of expertise to this edition The intent is for this book to be reflective on broad practice guidelines The Preceptor's Handbook for Pharmacists 4th edition is the updated and expanded authoritative resource for both new and experienced pharmacy preceptors to create a lifelong impact on young pharmacists Integrate the Internet Across the Content Areas Lynn Van Gorp, 2007-07-01 Bring your classroom into the 21st century using the Internet Useful strategies An annotated list of teacher tested websites and easy to follow lesson plans for all content areas make this resource a perfect guide for integrating the Internet into the curriculum Student activities student research suggestions and 24 model lessons that clearly demonstrate how to effectively use websites are provided along with information on teacher and student resource sites The open ended activities help students develop thinking skills and learn to search the Web and evaluate websites Topics covered include computer management differentiation safety issues searching the Internet copyright guidelines and more The Teacher Resource CD provided includes reproducible teacher resource materials 296pp **Cub Scout Academics** Boy Scouts of

America,1992-12 Discusses reading writing and communicatin including how to earn a Cub Scout academics pin for communicating Mobile Library Services Charles Harmon,Michael Messina,2013-02-13 Just as Andrew Carnegie s support changed the landscape of public libraries in America Apple s launch of the iPhone on June 29 2007 forever altered how people expected to interact with services Libraries like every other kind of organization must now make their services not just their catalogs available on an array of mobile devices Mobile Library Servicesprovides 11 proven ways to reach out to mobile users and increase your library s relevance to their day to day lives Librarians detail how they created mobile apps to how they went mobile on a shoestring budget Written by public academic and special librarians these 11 best practices offer models for libraries of every type and size **Literacy Projects for Student-Centered Classrooms** Karrell Hickman,2007-04-18 Meets NCTE and IRA standards offers guidelines for using the student centered approach to literacy instruction and presents four long term research projects that encourage teamwork and creativity **Reading Tutor, Grades 4 - 8** Barden,2009-08-24 Make reading fun for students in grades 4 and up using Reading Tutor Weird But True This 48 page book captures readers enthusiasm with interesting age appropriate stories and activities relating to hard to believe occurrences This book covers topics such as Paul Revere the origin of Santa Claus wedding superstitions then and now and in the White House The book includes activities that reinforce difficult comprehension skills and improve reading levels It is great for use in the classroom and at home *Reading Strategies for Social Studies* Stephanie Macceca,2013-10-01 Help students read about social studies content and build their historical thinking skills This 2nd edition resource was created to support College and Career Readiness Standards and provides an in depth research base about content area literacy instruction including key strategies to help students read and comprehend historical content Each strategy includes classroom examples by grade ranges 1 2 3 5 6 8 and 9 12 and necessary support materials such as graphic organizers templates or digital resources to help teachers implement quickly and easily Specific suggestions for differentiating instruction are also provided to help English language learners gifted students and students reading below grade level

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Creating and Editing Art Chapter Six Animation Chapter Seven Interactivity Chapter Eight Add Ons Blending Performance Support and Job Aids Chapter Nine Adding Narration and Multimedia SECTION THREE DELIVERY AND SUPPORT Chapter Ten Saving Uploading and Distributing Appendix PowerPoint Basics References and Other Sources Other Resources **The World Almanac for Kids - Scavenger Hunts, Grades 3-5** Greg Camden, 2005 Featuring actual pages from The World Almanac for Kids this book provides stimulating activities that are easy to implement Students develop reading comprehension and critical thinking skills as they read nonfiction information to find the answers to related questions Activities cover all areas of the curriculum including science social studies language arts and math as well as art music and physical education P 4 of cover **The Library in the School** Dallas Independent School District (Tex.), 1965 Teaching Library Skills in Grades K Through 6 Catharyn Roach, JoAnne Moore, 1993 Offers sample lessons and advice on integrating curriculum into library instruction **Microscale and Miniscale Organic Chemistry Laboratory Experiments** Allen M. Schoffstall, Barbara A. Gaddis, Melvin L. Druehlinger, 2000 This work offers a comprehensive introductory treatment of the organic laboratory techniques for handling glassware and equipment safety in the laboratory micro and mini scale experimental procedures theory of reactions and techniques applications and spectroscopy **The Community College Library** Janet Pinkley, Kaela Casey, 2022-04-13 Community colleges are a cornerstone of higher education and serve the unique needs of the communities in which they reside In 2019 community colleges accounted for 41 percent of all undergraduate students in the United States Community college librarians are engaged in meaningful work designing and delivering library programs and services that meet the needs of their diverse populations and support student learning The Community College Library series is meant to lift the voices of community college librarians and highlight their creativity tenacity and commitment to students The Community College Library Reference and Instruction collects research programs and new approaches to reference and instruction implemented by community college librarians around the U S Chapters include sample activities and materials and cover topics including using race centered and trauma informed practices in the reference interview incorporating online workshops into an existing information literacy program and using student driven pedagogy to navigate the early stages of research This book demonstrates the innovative and replicable ways community college librarians are meeting the information and research needs of their college population both in person and remotely all while providing a safe inclusive space for students to explore and learn **The Child and the English Language Arts** Mildred R. Donoghue, 1990 Common Core: Conducting Research Projects Linda Armstrong, 2014-01-15 Centered around Common Core State Standards Common Core Conducting Research Projects is designed to help students develop skills necessary for the creation of effective reports and presentations Practice pages student charts graphic organizers research challenges discussion starters writing prompts games group activities and recommended reading lists enable students to practice generating and testing ideas gathering information mining original sources utilizing graphics and media drafting

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jun 1 2003 using and understanding java data objects is an application programmer s guide to the java data objects jdo specification recently accepted by the java community process jdo provides a universal and transactional persistence service for objects

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in order to provide persistent services for the application s data objects jdo must manage the objects within a java virtual machine jvm jdo manages some objects and does not manage other objects if jdo manages an object it manages its persistent

state or its transactional state or both

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managers using a persistence manager the application can control the life cycle and caching of application data objects it can get the identity object for a persistent application data object and it can later fetch the persistent object that corresponds to an identity object finally the persistencemanager interface has factory methods

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mar 28 2023 the java data objects is an api designed for persisting object oriented data into any database and providing a user friendly query language using the java syntax in this article we are going to see how to use the jdo api for persisting our objects in a database