

CHAPTER 2 WORKSHEET: CHEMISTRY OF LIFE

1. Chapter 2, Section 1: Nature of Matter

- a. Matter: anything that occupies space. Ex: Desk, Human, Air, ect.
- b. Atom: Smallest part of matter. It **can not** be broken down into smaller pieces. Composed of 3 particles: Protons (+), Electrons (-), and Neutrons (n)
- c. Element: Substance that is only made of one kind of atom. Ex: Hydrogen, Oxygen, ect.
 - i. C, H, N, O, P, S
- d. Compound: Two or more different atoms or elements joined together. Ex: Salt =
- e. Covalent Bond: Two or more atoms sharing electrons to form a molecule. Covalent bonds make molecules, ex: Water, Carbon Dioxide, and Oxygen Gas
- f. Hydrogen Bond: A weak chemical attraction between **polar** molecules. Ex: Two water molecules
- g. Ionic Bond: Gain or Loss of electrons that create a molecule
- h. Ion: An atom that has gained (-) electrons or (loss) electrons (+)

2. Chapter 2, Section 2: Water and Solutions

- a. How does water help maintain homeostasis?
 - i. Heats slowly
 - ii. Retains heat
 - iii. Carries Heat away through water vapor (sweating)
 - iv. Universal solvent (anything except for a polar substance can dissolve in it)
- b. What is the difference between adhesion & cohesion?
 - i. Adhesion: different substances
 - ii. Cohesion: alike substances
- c. What is the pH range for an Acid? Base?
 - i. Acid = 0 – 6.9
 - ii. Neutral = 7
 - iii. Base = 7.1 – 14
- d. What type of substance is an example of an acid? Of a base?
 - i. Acids: Lemon, Vinegar, Milk
 - ii. Bases: Household cleaning material

3. Chapter 2, Section 3: Chemistry of Cells

- a. Carbohydrates: Organic substances, made up of carbon, hydrogen and oxygen atoms. Always in the ratio of 1:2:1. Key source of energy.
 - i. They are made up of Monosaccharide: Single sugars (glucose)
 - ii. Disaccharides are double sugars: Sucrose
 - iii. Polysaccharides: Starch and cellulose

Chapter 2 The Chemistry Of Life Answer Key

Michael Rajnik



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timeline: oldest organisms on the bottom left, newest on the top right. 2. use ... CLADOGRAM ANALYSIS Use the following cladogram to answer the questions below. 8. What separates ... Which organism is most related to the rodents and rabbits on this cladogram? cladogram analysis key It is a diagram that depicts evolutionary relationships among groups. It is based on PHYLOGENY, which is the study of evolutionary relationships. Sometimes a ... Cladogram Worksheet Answer Key.docx - Name View Cladogram_Worksheet_Answer_Key.docx from BIOLOGY 101 at Chichester Shs. Name: _Answer Key_ Period: _ Date: _ Cladogram Practice Worksheet Direction: ... Cladogram worksheet key Use the phylogenetic tree to the right to answer the following questions. ... Note: This phylogenetic tree is not a true cladogram, because it is based on the ... Cladogram Worksheet Answers Form - Fill Out and Sign ... Cladogram Practice Answer Key. Get your fillable template and complete it online using the instructions provided. Create professional documents with ... How to Build a Cladogram. Fur - Mammary glands-shared by mouse and chimp. * This question has several possible answers. 9. List at least one derived character and explain why. Lungs ... Cladogram worksheet: Fill out & sign online What is a cladogram biology Corner answer key? A cladogram is a diagram that shows relationships between species. These relationships are based on ... SOLUTION: Cladogram worksheet practice key What is a cladogram? It is a diagram that depicts evolutionary relationships among groups. It is based on PHYLOGENY, which is the study of ... Frida Kahlo: The Artist who Painted Herself (Smart About Art) The character shows enthusiasm toward learning about Frida and lightly shares how she can connect to some of Frida's story- which is a good example for kids ... Frida Kahlo: The Artist who Painted Herself Through original artwork by the renowned artist Tomie dePaola-a longtime aficionado of Frida Kahlo's work-as well as beautiful reproductions of Kahlo's ... Frida Kahlo: The Artist Who Painted Herself (Smart About ... Book overview. Through original artwork by the renowned artist Tomie dePaola-a longtime aficionado of Frida Kahlo's work-as well as beautiful reproductions of ... Frida Kahlo: The Artist who Painted Herself (Smart About Art) Aug 11, 2003 — Through original artwork by the renowned artist Tomie dePaola-a longtime aficionado of Frida Kahlo's work-as well as beautiful reproductions of ... Frida Kahlo: The Artist Who Painted Herself (Smart About Art) Frida Kahlo: The Artist Who Painted Herself (Smart About Art) ; Publisher: Grosset & Dunlap ; Language: English ; Series: Smart about the Arts (Paperback). Frida Kahlo: The Artist who Painted Herself ... Kahlo's paintings, this latest Smart About book explores the creative, imaginative world of Mexico's most celebrated female artist. Age Level: 6-9. Publisher ... Frida Kahlo: The Artist who Painted Herself Aug 11, 2003 — A little girl named Frieda has been assigned a project on an artist — and she's delighted to discover one who shares her name, Frida Kahlo! Frida Kahlo -The Artist Who Painted Herself - YouTube Frida Kahlo: The Artist who Painted Herself (Smart About Art) Through original artwork by the renowned artist Tomie dePaola-a longtime aficionado of Frida Kahlo's work-as well as beautiful reproductions of Kahlo's ... Frida Kahlo: The Artist who Painted Herself (Smart About Art) Frida Kahlo: The Artist who Painted Herself (Smart About Art) ; ISBN: 0448426773 ; Publisher: Grosset & Dunlap ; Published: 2003 ; Binding: paperback ; Language: ...

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