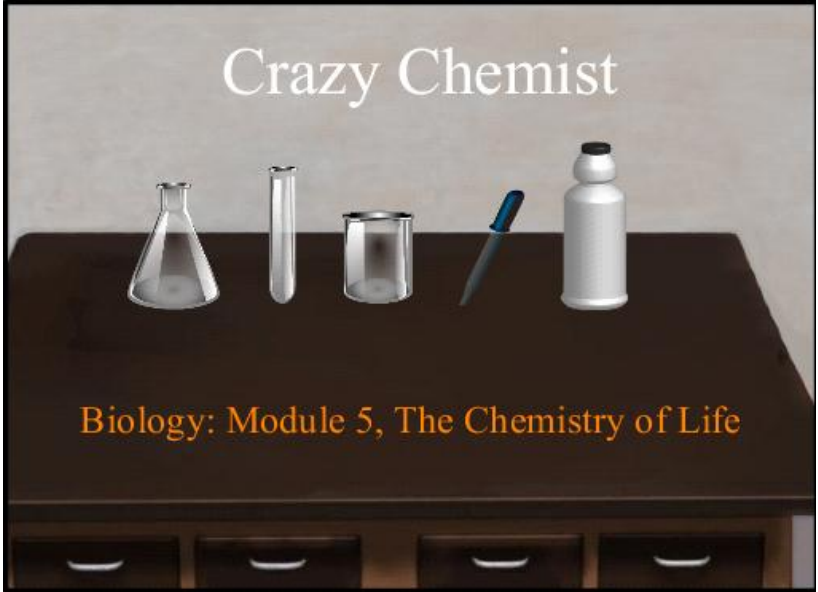






















Game Day

Tuesday, March 15, 2011
4:28 PM

Slides	Notes
	

	<h2>Team</h2> 	
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	L1	L2	L3
b 			
Ef 			
tt 			
p 			
ch 			

A student reports on an atom that has 11 protons, 10 neutrons, and 10 electrons. What is wrong with the students report?

- Choose one answer.
- a. The electrons and protons must be equal in an atom
 - b. Neutrons should be the total of electrons and protons

In the following equation:



Is CO₂ a product or a reactant?

- Choose one answer.
- a. reactant
 - b. product

How many total atoms are in one molecule of C₂₂H₄₄O?

- Choose one answer.
- a. 66
 - b. 67

When you boil water, are you causing a chemical change or a physical change?

- Choose one answer.
- a. chemical
 - b. Physical

Identify the following as an atom, element, or molecule: PH₃

- Choose one answer.
- a. element
 - b. molecule
 - c. atom

Two solutions of different solute concentration are separated by a membrane. After 1 hour, the solutions are of equal concentrations and the water levels are the same as when the experiment started. Is this an example of diffusion or osmosis?

- Choose one answer.
- a. osmosis
 - b. diffusion

What kind of a reaction is used for building disaccharides, polysaccharides, fats, and proteins?

- Choose one answer.
- a. dehydration reaction
 - b. hydrolysis

If you perform hydrolysis on a disaccharide, what kind of molecules will you get?

- Choose one answer.
- a. Lipid
 - b. monosaccharide
 - c. polysaccharide

Is table sugar a monosaccharide or a disaccharide?

If the following molecule is a carbohydrate, what is the value of x?



- Choose one answer.
- a. 4
 - b. 7
 - c. 1

A

Product

B

Physical

Molecule

Diffusion

Dehydration reaction

Monosaccharide

Table sugar is a disaccharide

4

Since dehydration reaction link amino acids in order to form proteins, why don't proteins dissolve when mixed with water?

- Choose one answer.
- a. An enzyme catalyst is necessary
 - b. The protein never comes into contact with water

A

How many fat molecules can be made from 15 fatty acid molecules, provided you have plenty of glycerol?

- Choose one answer.
- a. 5
 - b. 45

A

What holds the two helices in DNA together?

- Choose one answer.
- a. hydrogen bonds
 - b. backbone

A

What part of the nucleotide is responsible for the way DNA stores its information?

- Choose one answer.
- a. base
 - b. backbone

A

What determines the properties of a protein?

- Choose one answer.
- a. type, number, and order of the amino acids linked
 - b. type of amino acids
 - c. order of amino acids
 - d. number of amino acids

A

