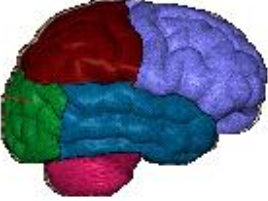


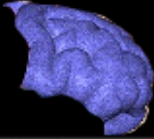
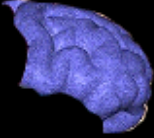











M01 Game Day

Monday, August 22, 2011
6:52 PM

Slide	Notes
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 150px; height: 100px; margin-right: 20px;"></div> <div style="text-align: center;"> <h2 style="margin: 0;">Team</h2>  </div> <div style="border: 1px solid black; width: 150px; height: 100px; margin-left: 20px;"></div> </div>	

	L1	L2	L3
	What is Life?	Scientific Method	Classification
parietal lobe			
frontal lobe			
occipital lobe			
temporal lobe			
cerebellum			

Classify the following organisms as herbivores, carnivores, or omnivores.

tigers	C	
sheep	h	
humans	o	
cows	h	

Choose...	Choose...
herbivores	herbivores
carnivores	carnivores
omnivores	omnivores
Choose...	Choose...

What is Life?

Classify the following organisms as producers, consumers, or decomposers.

lions	C	Choose...
yeasts (a fungus)	d	Choose... producers consumers decomposers
humans	c	Choose...
flowers	P	Choose...

A biologist studies an organism and then two of its offspring. They are identical in every way. These organisms must have reproduced

Choose one answer.

- a. asexually
- b. sexually

Which of the following would be considered a mutation?

Choose one answer.

- a. both parents and child have freckles
- b. parents and child have blue eyes
- c. offspring is blonde and parents are brunette
- d. offspring cannot metabolize sugar, but parents can

What are the 4 criteria for life?

1. Contains DNA
2. Extract and convert energy from surroundings
3. Sense and respond to stimuli/change
4. Reproduce

A scientist makes a few observations and develops an explanation for the observations. At this point, the explanation is a ...

Choose one answer.

- a. hypothesis
- b. theory
- c. scientific fact

When trying to convince someone of something, people often insert, "Science has proven ..." at the beginning of a statement. Science can actually prove something to be true.

Answer:

- True
- False

Scientific Method

Pasteur's experiment proves that microorganisms

Choose one answer.

- a. cannot spontaneously generate
- b. will grow in a flask with a curved neck stopper
- c. are not transported in air
- d. can grow from non-living material

You compare several organisms from different orders. You then compare organisms from different classes. In which would you expect the differences to be greatest?

Choose one answer.

- a. Organisms from different orders will be more different.
- b. Organisms from different classes will have more differences

An organism is multicellular and an autotroph. To what kingdom does it belong?

Choose one answer.

- a. Animalia
- b. Plantae
- c. Fungi
- d. Protista

Suppose you chose two organisms at random out of a list of the members of kingdom Plantae, then you chose two organisms at random out of a list of the members of the family Pinaceae. In which case would you expect the two organisms to be the most similar?

Choose one answer.

- a. Those in the same kingdom are more similar
- b. Those in the same family are more similar

An organism is multicellular with eukaryotic cells. It is also a decomposer. To what kingdom does it belong?

Choose one answer.

- a. Plantae
- b. Fungi
- c. Protista
- d. Animalia

An organisms is made up on one eukaryotic cell. To what kingdom does it belong?

Choose one answer.

- a. Plantae
- b. Fungi
- c. Animalia
- d. Protista

Classification

Match the term to the definition.

Organisms that are able to make their own food.	Choose...
Organisms that eat plants exclusively. <i>herb</i>	Choose...
An abrupt and marked difference between offspring and parent. <i>mutation</i>	herbivore
A cell with distinct, membrane-bound organelles. <i>auto</i>	mutation
A hypothesis that has been tested with a significant amount of data. <i>theory</i>	theory
The process by which a living organism takes energy from its surroundings and uses it to sustain itself, develop, and grow. <i>metab.</i>	autotrophs
Organisms that only eat organisms other than plants. <i>Carn.</i>	eukaryote
	carnivore
	metabolism

The correct order for classifying groups is

- Choose one answer.
- a. Order, Kingdom, Family, Class, Genus, Phylum, and Species
 - b. Genus, Species, Class, Order, Family, Kingdom, and Phylum
 - c. Kingdom, Phylum, Class, Order, Family, Genus, and Species
 - d. Kingdom, Phylum, Order, Class, Family, Genus, and Species

Kingdom Monera contains organisms which have

- Choose one answer.
- a. exclusively prokaryotic cells
 - b. organelles within their cells
 - c. highly specialized tissues
 - d. exclusively eukaryotic cells

Which of the following is false about the Kingdom Protista?

- Choose one answer.
- a. organisms are heterotrophic
 - b. members include the amoebae and paramecia
 - c. organisms are autotrophic
 - d. contains organisms which are microscopic

Match the terms to the definitions.

A cell that has no distinct, membrane-bound organelles. <i>pro</i>	Choose...
The theory that long ago, very simple life forms spontaneously appeared through random chemical reactions. <i>abi</i>	Choose...
Special structures or chemicals that allow living organisms to sense the conditions of their surroundings. <i>recept</i>	hypothesis
Organisms that eat both plants and other organisms. <i>omni</i>	abiogenesis
Organisms that depend on other organisms for food. <i>heterotroph</i>	receptors
The process by which a plant uses the energy of sunlight and certain chemicals to produce its own food. <i>photosyn.</i>	prokaryotic
The science of classifying organisms. <i>taxon.</i>	heterotrophs
An educated guess that attempts to explain an observation or answer a question. <i>hypoth.</i>	omnivore
	photosynthesis
	taxonomy