Organization of Living Things Review

Name _____

1. Le	tter the following with A bein Organ System	g the least c	omplex to E being the most complex (1 point)
	Tissue		
	Organ		
	Cell		
	Organism		
	01gamom		
	_ 2. All living things a. need to take in ma b. need to get rid of c. are made of cells d. all of the above		
	r each organism below put a bulticellular (1/2 point each bla		k for unicellular and an M on the blank for total)
	Paramecia		A moeba
	Bacteria		Pine tree
	Moss		Frog
	h each level of organization b _ 4. Cell		description group of different organs working together
	_ 5. Tissue		group of different tissues working together
	_ 6. Organ		smallest unit of life
	_ 7. Organ System		group of one type of cells working together
	_ 8. The growth of a Maple t a. its cells getting land b. the number of cell c. the cells changing d. both a and b	rger s increasing	
	_ 9. Materials pass enter cel a. photosynthesis b. diffusion	c.	cess of metabolism homeostasis

10.	In a unicellular organism cell division a. a larger organism	results in b. reproduction		
11. T	he size of cells			
	a. is larger in a large organism	c. is smaller in a small organism		
	b. is similar in all organisms	d. determines the size of the organism		
12.	Which statement about multicellular o	-		
	a. organs and tissues supply cells			
	b. cells are specialized to do certaic. have cells that can work withou			
	d. all multicellular organisms have			
13. `	When a unicellular organism completes	cell division		
	a larger organism results			
	b. a second identical organism is fo			
	c. a second but different organism is formed			
	d. the old cell dies and the new or	le takes its place		
14.	What causes the growth of a multic	ellular organism?		
	a. increase in cell size	•		
	b. increase in cell number			
	c. increase in both cell number and	l size		
	d. replacement of worn out cells			
15. I	In a multicellular organism			
	a. there are tissues with different :	structures and functions		
	b. there is only one type of tissue	that has different functions		
	c. there are tissues with different s	structures but they all function the same way		
	d. there are no tissues, only organs	and systems		
membrane		ve movement of materials through the of 2 eggs using vinegar they placed the eggs solution and the other into a 15% salt		
16.	Which solution had a greater effect	on the mass of the eggs?		
	a. Solution A			
	b. Solution B			
	c. both solutions had equal effect			
	d. there is not enough data to dete	ermine the effect		

- _____ 17. Which statement correctly explains the movement of materials through the membrane of the egg.
 - a. water moved by osmosis from a higher concentration inside the egg to a lower concentration outside the egg
 - b. water moved by osmosis from a lower concentration outside the egg to a higher concentration inside the egg
 - c. salt diffused from a higher concentration outside the egg to a lower concentration inside the egg.
 - d. salt diffused from a higher concentration inside the egg to a lower concentration outside the egg
- 18. You are stranded on a desert island, with nothing but a cell phone. You know that help will arrive within a couple days, but you are dehydrated and need to quench your thirst. You are surrounded by the ocean on all sides; should you drink the salt water? Why or why not?
- 1. Draw a MODEL at the CELLULAR level that supports your answer.
- 2. LABEL your MODEL so a non-science person can understand it.
- 3. Write an explanation of no more than 3 sentences that answers the question.