Lecture 2- study questions

Organization Levels:

1. Cells organize into	
2. What makes up organs?	
3. Organs working together become a	, and these working
together make the entire	-
4. From simplest to most complex, list the lev	vels of living organism.
Chemistry of life (Ist Part):	
1. Name 2 properties of all matter.	
2. What are elements?	
3. Name the 4 elements that make up most of	of a living thing.
4. What are the 2 main regions of an atom?	
5. Where is the nucleus of an atom found and	l what does it contain?
6. What is the charge on a proton?	neutron?
7. All atoms of the same element have the	number of protons.
8. The number of protons in an atom determi	nes the
9. What is the charge on an electron?	
10. Do all the atoms of the same element hav	e the same number of neutrons?
11. Atoms of the same element with differen	
12. The number of protons PLUS neutrons in	an atom determines its
13. Where are electrons found?	
14. Which electrons in an atom have the most	t energy?
15. Two or more elements combined together	<u> </u>
16. The outermost in ele	
combine.	, , , , , , , , , , , , , , , , , , ,
17. Elements with outer energy	y levels are stable & won't react.
18. Why do elements tend to react with othe	
19. Chemical represent che	
20. How do covalent bonds form?	
21. How do ions form?	
22. Positive ions electrons, while	negative ions electrons
23. Differentiate ionic bonding with hydroge	_
24. Define polarity, ionization. Discuss with e	
25. What is hydrogen bonding? What is its in	•