

Name: _____ Period: _____

2.3: PROPERTIES OF AMAZING WATER!

Complete the following questions. NEATLY write your answer in the blanks on the left.

1. C _____

2. H _____

3. C _____

4. A _____

5. U _____

6. N _____ (pH)

7. _____ What type of bond is the result of the sharing of electrons between two atoms?

8. _____ When two atoms are sharing a pair of electrons, sometimes the sharing is unequal. Electrons may spend more time around one atom than the other. In a water molecule, what does this uneven sharing lead to?

9. _____ A weak bond formed between the slightly positive hydrogen atom of one molecule and a slightly negative atom on another molecule.

10. _____ A bond that is creates two ions because one atom donates or transfers an electron to another atom.

11. _____ How many hydrogen bonds can water form with other molecules?

12. _____ The movement of water up narrow spaces defying gravity.

13. _____ What property does water have that enables water to retain heat and also take a long time to heat up?

14. _____ Water's ability to "stick" to itself, or, said another way, a water molecule's attraction to other water molecules due to hydrogen bonding.

15. _____ Water's ability to "stick" to other substances, or, said another way, a water molecule's attraction to other substances' molecules due to hydrogen bonding.

16. _____ A substance that has the ability to dissolve another substance.

17. _____ A substance that is dissolved by another substance.



18. _____ In saltwater, the solute is _____.
19. _____ In salt water, the solvent is _____.
20. _____ The property of water that allows liquids, in particular water, to climb up from the roots to the leaves of a plant.
21. _____ The property of water that is important in the human body to dissolve wastes in urine and nutrients in blood.
22. _____ The property of water that determines that it is not an acid or a base.