

Chemistry Worksheet

Name _____ Date _____

Complete the following table. You may want to look at the periodic table.

Element	Atomic Number	Atomic Symbol	Number of Protons	Number of Shells	Number of Outer Electrons
Carbon	6	C	6	2	4
Hydrogen					
Nitrogen					
Sulfur					
Sodium					
Chlorine					

1. How can you tell from the Periodic Table how many outer shell electrons an atom will have?

2. How can you tell from the Periodic Table how many shells an atom will have?

3. Look at Calcium. What charge ion would this atom make, and why?

© abcteach.com

© 2003 abcteach.com - All Rights Reserved - www.abcteach.com

4. Explain why water is polar.

5. How is this related to its ability to hydrogen bond?

6. Explain the difference between hydrophilic and hydrophobic molecules.

7. List a functional group that you would expect to be attracted to water.

8. List an R group that you would expect to be attracted to water.
