Moles and Compounds Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Worksheet

1. Ethanol (C2H5OH), a domestically produced fuel source, is often blended with gasoline. A sample of ethanol has a mass of 45.6 g.
2. How many carbon atoms does the sample contain?
3. How many hydrogen atoms does the sample contain?
4. How many oxygen atoms does the sample contain?
5. A sample of sodium sulfide (Na2SO3) has a mass of 2.25 g.
6. How many Na+ ions are present?
7. How many SO32- ions are present?
8. What is the mass in grams of one formula unit of Na2SO3?