Name_____
Date _____

CHALK ACTIVITY

Show work for full credit.

1. Mass a piece of chalk. _____ g

2. Calculate the number of moles in your chalk piece. Chalk is calcium carbonate.

3. Calculate the number of formula units.

4. Calculate the number of calcium atoms.

5. Calculate the number of carbonate ~~atoms~~ ions.

6. Calculate the number of carbon atoms.

7. Calculate the number of oxygen atoms.

8. If you vaporized the chalk, at STP, what volume of gas would be liberated?

9. Calculate the percentage of calcium, carbon, and oxygen in your chalk piece.

10. Calculate the mass of calcium that can be recovered.

11. Calculate the mass of carbon that can be recovered.

12. Calculate the mass of oxygen that can be recovered.