

# LAB: Moles in Everyday Objects

- ① Organize your data neatly  
Show all calculations (units + sig figs)

**PART I:** Determine # of moles & molecules for the compounds or atoms of measured samples of:

- Table Salt
- Sugar (Sucrose)
- Glucose Tablet (\_\_\_\_\_)
- Mouthful of Water
- 5 minutes of Wax Candle Burn ( $C_{25}H_{52}$ )
- Your group members' names written in chalk (Calcium Carbonate)

**PART II** Write how you would carry out each of the following & also perform your tasks:

- ① Molecules of Sodium in 1 Welch's Fruit Snack
- ② # Cost of 1 atom of Aluminum
- ③ Moles/Molecules in a bite of \_\_\_\_\_
- ④ # of Carbon atoms in writing this lab procedure
- ⑤ #  $O_2$  molecules in a deep breath of air