

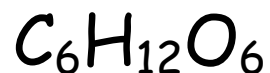
Name: \_\_\_\_\_ Section: \_\_\_\_\_

### Analyzing Chemical Formulas

Directions - Complete the following charts by providing the appropriate number of molecules/compounds or atoms for each of the chemical formulas present.



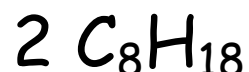
| Component          | Total Number |
|--------------------|--------------|
| $CO_2$ - molecules |              |
| C - atoms          |              |
| O - atoms          |              |
| C, O - atoms       |              |



| Component                  | Total Number |
|----------------------------|--------------|
| $C_6H_{12}O_6$ - molecules |              |
| C - atoms                  |              |
| H - atoms                  |              |
| O - atoms                  |              |
| C, H, O - atoms            |              |



| Component          | Total Number |
|--------------------|--------------|
| $H_2O$ - molecules |              |
| H - atoms          |              |
| O - atoms          |              |
| H, O - atoms       |              |



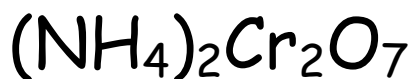
| Component               | Total Number |
|-------------------------|--------------|
| $C_8H_{18}$ - molecules |              |
| C - atoms               |              |
| H - atoms               |              |
| C, H - atoms            |              |



| Component                           | Total Number |
|-------------------------------------|--------------|
| $\text{Al}_2\text{O}_3$ - compounds |              |
| Al - atoms                          |              |
| O - atoms                           |              |
| Al, O - atoms                       |              |



| Component                              | Total Number |
|--|--------------|
| $\text{Sn}(\text{NO}_3)_2$ - compounds |              |
| Sn - atoms                             |              |
| N - atoms                              |              |
| O - atoms                              |              |
| $\text{NO}_3$ - molecules              |              |
| Sn, N, O - atoms                       |              |



| Component  | Total Number |
|--|--------------|
| $(\text{NH}_4)_2\text{Cr}_2\text{O}_7$ - compounds |              |
| N - atoms  |              |
| H - atoms  |              |
| Cr - atoms   |              |
| O - atoms  |              |
| $\text{NH}_4$ - molecules                          |              |
| $\text{Cr}_2\text{O}_7$ - compounds                |              |
| N, H, Cr, O - atoms                                |              |



| Component                              | Total Number |
|--|--------------|
| $\text{Pb}(\text{NO}_3)_2$ - compounds |              |
| Pb - atoms                             |              |
| N - atoms                              |              |
| O - atoms                              |              |
| $\text{NO}_3$ - molecules              |              |
| Pb, N, O - atoms                       |              |