

Name \_\_\_\_\_ Period \_\_\_\_\_

College Prep Chemistry of the Earth System

Assignment 0L – Solving for Density, Part 1

20 Points

*Solve the following density problems*

|                                         |       |     |  |                                         |       |     |  |
|-----------------------------------------|-------|-----|--|-----------------------------------------|-------|-----|--|
| m = 13.4g, v = 34.5mL, find Density (D) |       |     |  | m = 42.4g, v = 12.3mL, find Density (D) |       |     |  |
| D = m/v                                 |       |     |  | D = m/v                                 |       |     |  |
| m =                                     |       | v = |  | m =                                     |       | v = |  |
| D =                                     | _____ |     |  | D =                                     | _____ |     |  |
| Density (D) =                           |       |     |  | Density (D) =                           |       |     |  |

|                                         |       |     |  |                                          |       |     |  |
|-----------------------------------------|-------|-----|--|------------------------------------------|-------|-----|--|
| m = 41.4g, v = 8.30mL, find Density (D) |       |     |  | m = 92.4g, v = 104.2mL, find Density (D) |       |     |  |
| D = m/v                                 |       |     |  | D = m/v                                  |       |     |  |
| m =                                     |       | v = |  | m =                                      |       | v = |  |
| D =                                     | _____ |     |  | D =                                      | _____ |     |  |
| Density (D) =                           |       |     |  | Density (D) =                            |       |     |  |