

Chapter 1: What Are Elements?: Quiz (cont.)

Part V. Graphing:

Background: Where are the elements? Elements are found nearly everywhere: in the air, the oceans, the earth, and the body. The most common element in the air is nitrogen, in the earth is oxygen, and in the body is hydrogen. The dissolved materials in ocean water also contain most elements. The most common element in these dissolved materials is chlorine.

Directions: Study the chart below titled **Dissolved Materials in Seawater**. Then make a bar graph of the percentage of those elements in the space below. Do not write in the grading area. The teacher will use that area to grade your graph. When you make your graph, be sure to plan it out, make a title, scale, and label the axes. Keep it neat and graph it correctly. You may use color and pictures on your graph to make it look more pleasing.

Dissolved Materials in Seawater

| <u>Element</u> | <u>Abundance</u> |
|----------------|------------------|
| Chlorine | 55.04% |
| Sodium | 30.62% |
| Sulfur | 7.68% |
| Magnesium | 3.69% |
| Calcium | 1.16% |
| Potassium | 1.10% |
| Others | 0.72% |

Grading Area

(Two points for each area)

| | |
|----------------------|------------------|
| Title | _____ |
| Neatness | _____ |
| Scale | _____ |
| Labels | _____ |
| Completeness | _____ |
| Plan | _____ |
| Graphed Correctly | _____ |
| Total (14) | _____ |
| Percent (100) | _____ |
| Grade | A B C D F |