

Classifying Matter: A Concept Map

One way of showing relationships is with a “concept map.” A concept map is a graphic organizer. Examine the two concept maps pictured to the right. Both show the relationships between the same set of terms. Both are correct. They just show different conceptions of how all these terms are related. The top concept map shows which terms include the others. The bottom concept map shows parent/child relationships. Preparing a concept map requires serious thought about the relationships among terms.

Prepare a concept map on a separate sheet of paper, showing the relationships among the following terms:

**Air; Calcium; Chicken soup; Compound;
Element; Gold; Heterogeneous;
Homogeneous; Matter; Mechanical
Mixture; Mixture; Pure substance; Soil;
Solution; Sugar; Table salt; Tea**

Use your textbook and/or other references, including the internet, to learn about these terms. Then, draw the concept map. You may draw the concept map freehand, or you may do it on the computer using software such as *Inspiration*™.

