

Lesson Activity #1

Objectives:

Understanding density of different liquids.

Discussion:

Discuss how some salad dressings don't mix (oil & vinegar) or why ice cream floats on the top of a root beer float. Discuss density (i.e., some objects are heavier than others).

Materials:

Large, clear plastic container

Honey, water, vegetable oil (liquid)

Colored water (using food coloring)

Miscellaneous objects, including: marble, nuts or bolts, dried pasta, etc.)

Procedure:

Before pouring liquids together, ask students what they think will happen.

Pour liquids together in large, clear container. Observe.

Liquids will separate into three layers (honey on bottom, water in middle and oil on top). Explain that the honey weighs more, etc., etc. (thus, the honey has greater density).

Next, begin to drop miscellaneous objects into container. Observe which ones float and which ones drop to the bottom.

Assessment:

Observe children's observation and language skills.

Ways to Extend:

Discuss honey-making process (how bees make honey -- feel free to use Carrigan Farms material).