

## Homogeneous and Heterogeneous Mixtures Name \_\_\_\_\_

**Homogeneous** means uniform throughout

**Heterogeneous** means nonuniform throughout

A **mixture** contains two or more components, each retaining its own chemical identity.

The components of a mixture can be separated by physical means.

Indicate if each of the following are homogeneous or heterogeneous.

Air homogeneous

Iced Tea (with ice) heterogeneous

Coffee homogeneous

Orange Juice  
with Pulp heterogeneous

Natural Gas homogeneous

Chocolate Sundae heterogeneous

Chocolate chip cookie heterogeneous

Italian salad dressing heterogeneous

Molten gold homogeneous

Butter homogeneous

Sugar homogeneous

Sand with iron filings heterogeneous

How would you separate a mixture of sand, iron filings, and salt (NaCl)?

Use a magnet to remove iron. Add the salt and sand to a funnel with filter paper. Add water. The NaCl will go through the filter, leaving the sand. Heat the water until it completely evaporates, leaving the salt.