

Rock-it Science Observations For Winter Lessons 2010

Liquid Density (Wave-In-A-Bottle): Mix chemicals so that you have a blob that defies gravity.

Vegetable oil doesn't mix with water

Food coloring doesn't mix with vegetable oil

Food coloring mixes well with water

Silicone oil doesn't mix with either vegetable oil or water

Food coloring doesn't mix with silicone oil

The coloring that came with the silicone oil (purple) likes the vegetable oil better

Water is more dense than silicone oil

Silicone oil is more dense than vegetable oil

Most of the objects placed in the cup with the three liquids became suspended part way down

The cork stayed on the top

The black rubber went to the bottom.

After fast stirring, some objects moved to a new position.

The objects were all oily when we finished.

The surfaces between layers look silvery.

Water caught in the oil forms balls.