

# Date

## Subtheme

**Start Time:** Choose a start time.  
**End Time:** Choose an end time.

**Curriculum Area:**  
Functional Science

**Materials:**

- plastic cylinder w/ lid
- liquids
  - honey
  - corn syrup
  - dish soap
  - water
  - vegetable oil
  - rubbing alcohol
- plastic cups
- scale
- funnel

### **Objective(s):**

Students will conduct an investigation to determine whether the mixing of two or more substances results in new substances.  
Students will explore changes in chemicals when mixed together.

### **Introduction:**

- Teacher will review current theme 'cooking safety' with students.
- Talk about chemistry of cooking
  - mix things together to make something new
  - bake ingredients to make something new
  - etc.
- "Where are other places we should practice safety?"
- "When we are conducting different experiments we also need to be safe."
- "Today we are going to see if we can mix different liquids together to create something new."
- Prediction - "What do you think will happen when we pour all of these ingredients into the same container?"

### **Body:**

- Teacher will display interactive directions and review the steps with students.
- Teacher will have students point out which step they will be required to complete.
- have students gather their materials and take turns measuring out the different liquids using the scale.
- follow the adapted directions to complete the experiment
- Once finished, have students make comments on the finished product.
- "Were our predictions right or wrong? Did we create something new or did the liquids stay separated?"

### **Closing:**

- "What do we think will happen if we shake up this container?"
- have students take turns shaking it up
- Let the container sit for a few hours and see if they separate back out .
- Great job practicing safety today!

**Accommodations:**

Objects  
Picture supports  
Visual directions  
Adapted text  
Leveled prompting  
Communication system  
Differentiated material

**Multiple Intelligences:**

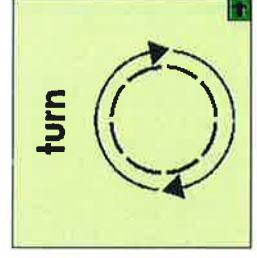
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<input checked="" type="checkbox"/> Visual-Spatial	<input type="checkbox"/> Musical	<input checked="" type="checkbox"/> Interpersonal
<input checked="" type="checkbox"/> Intrapersonal	<input type="checkbox"/> Naturalist	

**Common Core Standards (<http://www.corestandards.org/read-the-standards/>) :**

**LCCE Competencies (Link to LCCE Competencies):**

Link is not appropriately set. Click on the link above to view competencies.

# Density Experiment



student  
picture

1  
**1**



Get all ingredients.

student  
picture

2  
**2**



Measure 8 oz of each liquid into cups

student  
picture

3  
**3**



Use funnel to pour honey in

student  
picture

4  
**4**



Use funnel to pour karo syrup in

back



\* Use funnel for steps 3 & 4 to avoid liquid getting on the side of the container

turn



student  
picture

5  
**5**



Pour dish soap in

student  
picture

6  
**6**



Pour water in

student  
picture

7  
**7**



Pour vegetable oil in

student  
picture

8  
**8**



Pour rubbing alcohol in

back



turn



student  
picture

9

9



Look

student  
picture

10

10



Draw what you see

student  
picture

11

11



Shake

student  
picture

12

12



Wait three hours

back

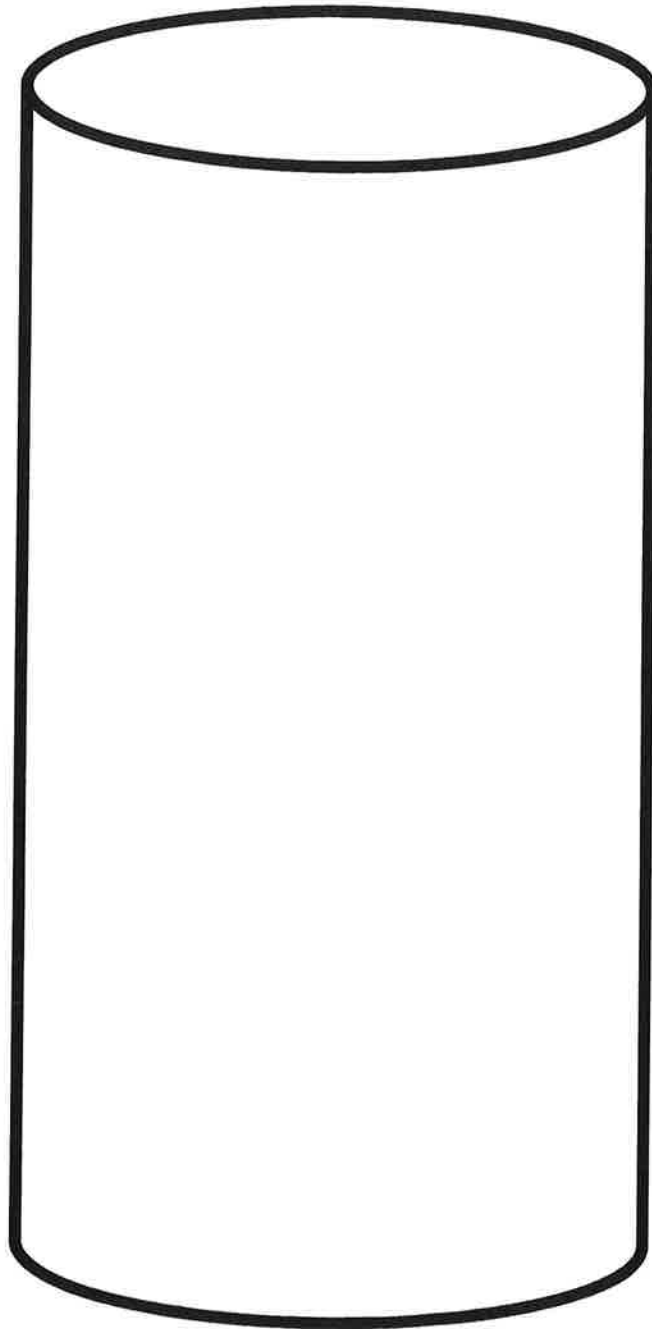


stop



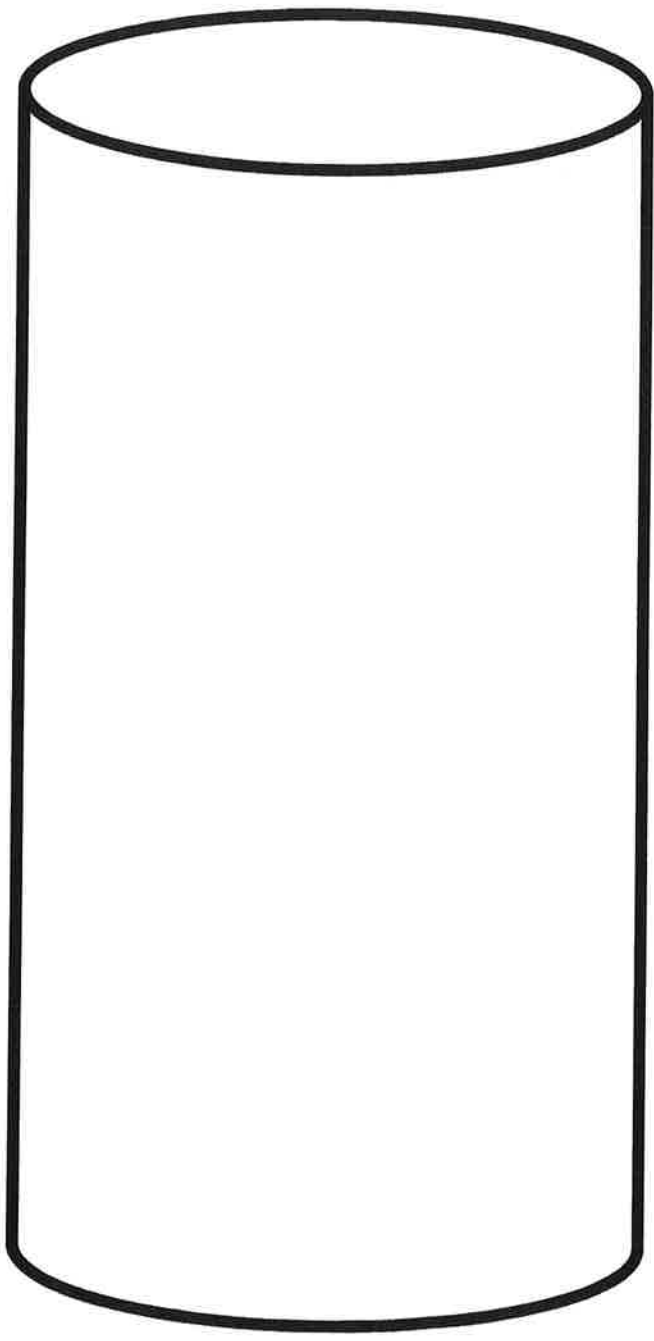
Name: \_\_\_\_\_

Directions: Draw what you see.



Name: \_\_\_\_\_

Directions: Draw what you see.





Name: \_\_\_\_\_

Directions: Draw what you see.

