



Compare Liquids

Procedure

1. **Collaborate** Work with a partner. Record your observations in the chart below.

Unknown Liquid	How It Looks	How Heavy It Seems
Liquid A		
Liquid B		

2. **Observe** Pour equal amounts of each liquid into separate clear plastic cups. Label the containers *Liquid A* and *Liquid B*. Observe how each liquid looks. Record your observations in your chart. **Safety:** Wear goggles when pouring liquids.
3. **Compare** Carefully lift each cup. Which one seems heavier? Record your observations in your chart.
4. **Predict** What do you think will happen when you pour the two liquids into the same container? Record your prediction below.

5. **Experiment** Pour 10 mL of each liquid into a graduated cylinder. What happens? Record your observations below.

Name _____ Date _____

Conclusion

Write the answers to the questions below.

1. **Analyze Data** How does your prediction compare with the results of your experiment?

2. **Infer** What can you infer about the mass of the two liquids based on your observations?

3. **Hypothesize** Why is it important to use an equal amount of each liquid to compare their masses?

Design an Experiment Think about how you can compare the masses of milk and fruit juice. Would you use the same method as you used in this investigation? Would you try something different?

Guided Inquiry