

Page 40: Liquid Layers Reflection

1. What do you think the four liquids are?
Yellow:
Red: Blue:
Green:
2. Correct order from top to bottom.
3. Which is most dense? Why?
4. Which is least dense? Why?
5. What would happen if you turned the straw upside down? Why?
6. Calculate the density of each liquid: (each cylinder has 50 mL of liquid in it)
Blue:
Green:
Yellow:
Red:

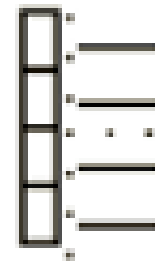
Page 41: Liquid Layers

Prentice Hall density column video:

1. What is the difference between mass and density?
2. Why does she tilt the cylinder when she is pouring the liquids?
3. Why do the liquids form layers?
4. Why do the solids float between the layers?
5. How does she know which liquid to pour first?

Water, salt water, isopropanol, and glycerine.

Each is colored a different color.



Your goal is to layer them in your straw with your partner.

1. Make a hypothesis of the order.
2. Fill it in the blanks
3. Test it out.
4. Draw arrows to show the movement of the liquids up or down.
5. Repeat until you get the order correct.
6. Once you have the order correct, draw it NEATLY on page 29- color it!!
7. Describe how you figured it out in a short paragraph

$$\text{Density} = \frac{\text{mass}}{\text{volume}}$$
$$= \text{_____ g} / 50 \text{ mL}$$