



# Density

## Worksheet

AgriBiotechnology  
Research & Development

Interval 1  
Segment 4

### A. Reference Info

1. Record the order in which the three liquids are added to the graduated cylinder.

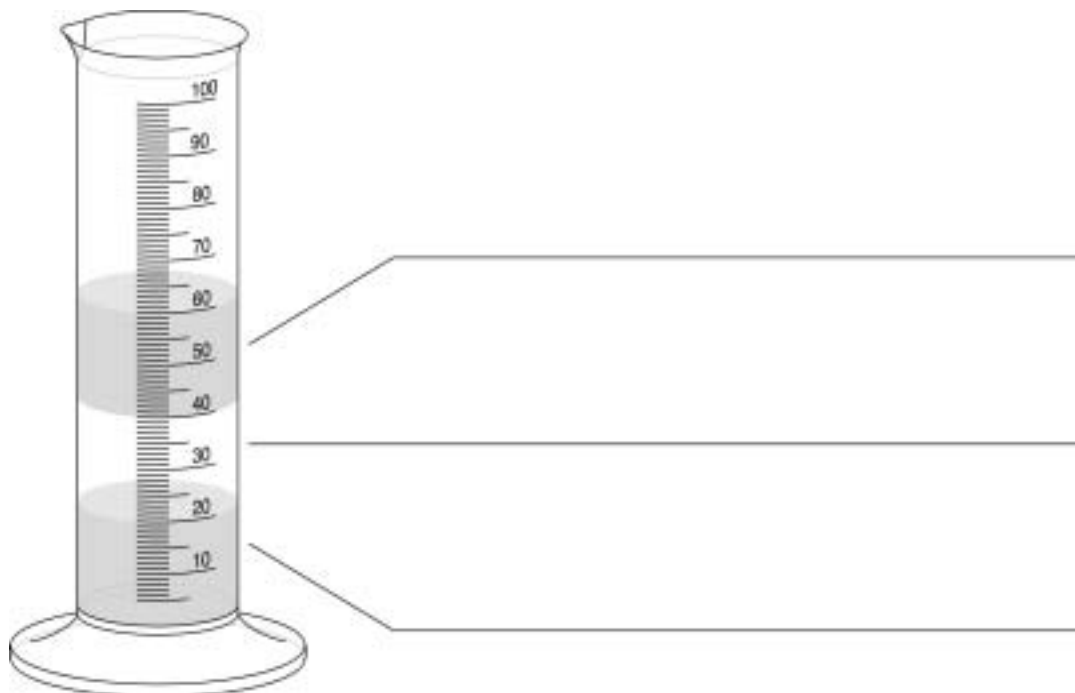
First: \_\_\_\_\_

Second: \_\_\_\_\_

Third: \_\_\_\_\_

### B. Qualitative Data

1. Label the order of the liquids in the density column that forms when equal volumes of each liquid are added to a container.



2. List the three liquids' relative densities from least to greatest.

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

**Increasing Density**



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### C. Quantitative Data

- Determine the three liquids' actual densities.

Liquid	Water	Corn Oil	Corn Syrup
Mass (g)			
Volume (ml)			
Density (g/ml) (Mass divided by Volume)			
Actual Density			
Difference in Density (the closer to zero the better)			

- Determine the density of a solid.

	A	B	C	D	E
	Mass (g)	Beginning Volume of Water (ml)	Ending Volume of Water (ml)	Volume of Solid (ml) C - B	Density of Solid (g/ml) A ÷ D
Aluminum		30			

- Explain any discrepancies between your calculated densities and the actual densities.