

Name;

Period;

CRYSTAL SPHERE LAB (DENSITY)

Use lab notebook to answer questions;
 tape lab sheet into notebook as directed

1. In a small beaker combine one crystal sphere with each of the three liquids (green, clear, and yellow) and let stand until tomorrow. Let stand until the next class period.
2. The next day, describe in sentence(s) what happened by answering the questions below.
3. Without touching the beakers, look into each one and describe what you see.
4. Move the spheres around with the scoopula.
5. Are the spheres floating, sinking, or hovering; describe each one in the data table?

Describe if the spheres float, sink, or hover in each liquid

	Green liquid		Yellow liquid		Clear liquid	
	Sphere Floats/sinks	Sphere more or less dense than liquid?	Sphere Floats/sinks	Sphere more or less dense than liquid?	Sphere Floats/sinks	Sphere more or less dense than liquid?
Green sphere						
Yellow sphere						
Clear sphere						

6. Use a scoopula to remove the spheres. Write down observations of what you see and feel.
7. Which sphere is largest, smallest and in between?
8. Why do you think they are different sizes; do you think it is something about the sphere or the liquid?
9. Put your spheres in a petri dish and time how many days it takes to return to the original size...
10. What is density?
11. What is the definition of each of the two parts of density?
12. What is the mathematical formula of density?