Slime Lab - Level 1 Adaptation

(This lab is the same as the original except provides scaffolding for students with mild learning challenges. The same main learning objectives are addressed with this assessment, only there is more organization and prompts are provided. Scoring guide and rubric stay the same except organization sections are not applicable).

INITIAL

	Physical Properties	Predicted Chemical Properties	Measurements of mass, volume, and density—label numbers
White Powder (Borax)			Mass of container + substance _____ Subtract Container _____ Final Mass _____ Volume: Density: Show formula set up
Glue			Mass of container + substance _____ Subtract Container _____ Final Mass _____ Volume: Density: Show formula set up
Water			Mass of container + substance _____ Subtract Container _____ Final Mass _____ Volume: Density: Show formula set up

DURING

	Physical Properties	Predicted Chemical Properties	Measurements of mass, volume, density, and temperature
Glue and Water			Mass of container + substance _____ Subtract Container _____ Final Mass _____
			Volume: _____
			Density: (show formula set up)
			Temperature:
Borax and Water			Mass of container + substance _____ Subtract Container _____ Final Mass _____
			Volume: _____
			Density: (show formula set up)
			Temperature:
Prediction Statement for glue/water + borax/water:			
Water Tank Test: Explain your conclusion for this test			
Glue/ Water + Borax/ Water			Mass of container + substance _____ Subtract Container _____ Final Mass _____
			Volume _____
			Density: (show formula set up)
			Temperature:

AFTER

Answer in complete sentences.

1.	Relationships among mass, volume, and density:
2.	Observations about heat energy of the substance:
3.	Five statements about the data in the chart: Is all the data congruent (all the same)? Look for data among groups that stands out and explain why you think that particular data is different from the rest of the groups.
	1.
	2.
	3.
	4.
	5.
4.	How does the chart help you analyze the data:
5.	Create two different graphs or charts using spreadsheet software. Explain your interpretation of each one:
	Graph or chart 1 interpretation:
	Graph or chart 2 interpretation:
6.	Using your own data, analyze the difference between the mass, volume, density, and temperature before, during, and after. How did they change or not change?
7.	Explain the physical and chemical changes that took place in this lab:
8.	Compare the temperature changes that occurred during the lab:
9.	Observe teacher demonstrations on chemical properties. Were your predictions correct?
10.	Which predictions were correct and which ones were not?

CONCEPT BOX—*optional for this level but definitely needed for level 2* Warning: Chemical and physical properties are mixed together	
Viscosity	Density of water is 1g/ml
Toxic	Color
Combustible	Solid, liquid, gas
Flammable	Mixture
Amorphous solid	Solution
Polymer	Heterogeneous
Mass divided by volume = density	Homogenous
Endothermic	Conductor
Exothermic	Insulator
Texture	Tensile strength
Mass	Ductile
Volume	Malleable
Density	Flexibility
Temperature	Porous
Liter (l)	Transparent
Milliliter (ml)	Translucent
Gram (g)	Opaque
Smell	Biodegradable
Absorb	Prefix—“non”
Physical properties	Physical change
Chemical properties	Chemical change