	Data.	Class	
Name:	Date:	Class:	

Chemical and Physical Properties Activity Packet

Teachers' Notes:

- 1. In the weeks leading up to this activity, ask friends, neighbors, colleagues for recycled or used items such as milk cartons, egg cartons, fabric, plastic, aluminum foil, toys, perfume, hair gel, lotions, coffee bags, construction paper, protein powder containers, bleach containers, Styrofoam, cloth, etc.
- 2. A few days prior to starting the activity, photocopy the student handout.
- 3. Display the next page in this packet titled Chemical and Physical Properties Large Group Activity (as a Smartboard display).
- 4. Have a student volunteer to go to the board as a class secretary.
- 5. Ask the students to pick an item such as a milk carton, fabric, rubber band, oxygen, etc.
- 6. Ask the students to describe the object (stretchy, soft, doesn't react with our skin, flammable, non-toxic, lightweight, can be cleaned regularly, irritates eyes, etc.) Be sure to include appropriate vocabulary. Some suggestions include: malleable, fragile, dense, lustrous, tough, ductile, soluble in water. As descriptions are mentioned, direct the student at the board to write each description in the appropriate box (chemical or physical). Once the students, seem to pick up on the pattern, have the class tell the secretary which box to put it in.
- 7. Have the students record their own observations in Part A of the Student Handout.
- 8. Repeat the second and third boxes as in Part A.
- 9. Follow the handout. When you get to Part D, pull out the old containers that you had collected. Have the students get out of their seat to investigate the objects.
- 10. You will need the internet for Part E.

Name:	Date:	Class:

<u>Chemical and Physical Properties Large Group Activity</u> (Smartboard display)

	Item	Physical properties	Chemical properties
1			

Name:	Date:	Class:

Chemical and Physical Properties Large Group Activity (Smartboard display)

	Item	Physical properties	Chemical properties
2			

Name:	_ Date:	Class:

Chemical and Physical Properties Large Group Activity (Smartboard display)

	Item	Physical properties	Chemical properties
3			

	-	Chemical and Physical Pr	roperties—Student Handout
Part A	.: Large Group Data (Chart. Complete the chart belo	w as instructed
	Item	Physical properties	Chemical properties
1			
2			
3			
Part B group		v. List the words above that are	e new to you. Discuss and record definitions as a class/sma
1.			
2	_		
۷.			
3.			
			study the chart in Part A. Write a definition for the terms
below	. When EVERYONE h	as a definition written, we will	move on.
1.	Physical property -	_	
_			
2.	Chemical property	'	

Name: ______ Date: ______ Class: _____

	Name:		_ Date:	Class:
				igned group members. Come up with thing that you and someone else had
				paper (from your above definitions)
	1. Physical property –			
	2. Chemical property			
Part		Evaluate the items provided.	Complete the chart.	
1	Item	(Two) Physical properties		(Two) Chemical properties
2				
	F. Elements and Their Pro	perties. Choose 2 elements	from the <u>Periodic Tal</u>	ole. Complete the chart. Use the
	Element	Two Physical Properties		Two Chemical Properties
1				
2				

Nar	me:	Date:	Class:	
	Who cares about chemical and p Name a substance not yet mention	hysical properties? oned and one of its <i>physical</i> properti	es.	
2.	Explain how property influences	the way we use the substance.		
3.	Name a substance not yet mention	oned and one of its <i>chemical</i> propert	ies.	
4. 	Explain how the property influer	nces the way we use the substance.		
 5.	Who cares about chemical and p	hysical properties? Why?		