8 <sup>th</sup> grade science			November 21, 2017	
Name:		Homeroom:		
	Worksheet o	n Properties of Mat	ter	
LO: Describe types of	of matter according to the	neir chemical & physica	al properties. SLE: Meet NGSS.	
completing this works Chapter 1 (pages 10-1	heet! Hint: physical periods, while chemical profile. You may have to issues.	properties and change operties and changes hop around to answe	ester) and each other in es are covered in Section 2 of are covered in Section 3 of r questions that cover both	
	Definition		2 examples	
Physical property				
Chemical property				
(2) Characteristic prop (a) What is a <b>c</b>	perties! haracteristic proper	ty?		
(b) Can a chara	acteristic property be	physical, chemical, e	ither, or neither?	

(c) Let's consider whether **density** qualifies as a characteristic property. Look at Table 1 on page 13 of your book. Based on this information, explain how you could use density

to identify an unknown substance.

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- (3) Physical and chemical *changes*!
- (a) Complete the following table.

	Definition	2 examples
Physical change		
Chemical change		

(b) Is each of the	e following a likely	sign of a ch	nemical (C)	change or a	physical (P)	change, or
both (C+P)?						

Change in color
Change in odor
Creation of gas (fizzing, bubbling)
Change in temperature
Creation of light
Creation of sound (e.g., explosion)

\_\_\_\_\_ Cannot easily be reversed

Homework: on a separate piece of paper, complete the following questions on pages 24 and 25:

- 5, 6, 7, 8, 9, 10, and 11
- 15, 16, and 17
- 22 and 23