Note Taking Gui	de: Episode 201	Name	
	Definition	ns of Properties	
Physical properti		without	<u></u>
<u>Chemical propert</u> other			with
	Example	s of Properties	
<u>P</u>	hysical properties	Chemical properties	
	<u>Phase</u>	s of Matter	
<u>Solids</u>	shape particles	volume	
<u>Liquids</u>		volume to	_
<u>Gases</u>	shape particles	volume	
	Types	of Changes	
physical change		in of substanc	e

chemical change—\_\_\_\_ or more \_\_\_\_ substances produced

PHASE CHANGES ARE		<del> </del>	<del></del>		
freezing point—	to				
melting point—	to				
-	poir	nt =	point		
boiling point—	to				
condensation point—	to _		<del></del>		
sublimation point—	to	<del> </del>			
	Example	s of Chang	<u>es</u>		
Physical Ch	ianges		Chemical (	Changes	
Law of Conservation of A	<u>Nass</u> —Mass		be		
·					
	The Ch	emistry Qu	iiz		
<i>C</i> R1	CR2	1		2	
3		4	5		

Worksheet:	Physical/Chemical
	Properties/Changes

Read the following properties and changes. Decide if each one is physical (P) or chemical (C), and whether it is a property (P) or a change (C).

Thus, something that is a physical change would be labeled PC.

boiling point

color

getting a haircut

acidity

lighting a candle

texture

flammability - the ability of an object to support combustion combustibility - the ability of an object to burn or ignite

ice cube melting

melting point

dry ice "smoking" at a concert

alka seltzer tablets fizzing

glass of water "sweating"

formation of acid rain

malleability - the ability of a substance to be hammered into a flat sheet

density

## Worksheet #2: Physical/Chemical Properties/Changes

Name	

I. Fill in the	Blanks		
	properties can	be observed without chemicall	y changing matter.
	properties desc	cribe how a substance interact	's with other
substances	hav	e definite shapes and definite	: volumes.
	have indefinite	shapes and definite volumes.	have
indefinite shape			
Phase changes a	re	changes p	point is the
temperature at	which a liquid tu	rns to a solid. It is also equal t	to the
	point which is t	he temperature at which a	turns
to a	<b>_</b> -	point is the temperatur	e at which a liquid
turns to a gas, a	ınd	point is the temperature o	it which a gas turns
to a liquid. Occa	sionally, a solid t	turns directly into a gas withou	ut turning into a
liquid first. This	is called	•	
definition	se properties as of each of thes	chemical (C) or physical (P). B e properties.	e certain to know the
combustibility	**************************************	density	
malleability		tendency to corrode	
weight		volume	
failure to react		melting point	
ductility	<del></del> .	odor	<del></del>
texture		flammability	
III. Label the	se changes as ch	nemical (C) or physical (P).	
digestion of foo	d	explosions	
getting a haircu	† <u>,</u>	lighting a candle	
evaporation	·	tarnishing silver	
ice cube melting		formation of acid rain	
crushing rocks		dissolving salt in water	