vame: Period	a: Dat	e:
Physical vs. Chemical Pro	operties Worksheet	
A <u>physical property</u> is observed with the senses (or measu object. For example, color, shape, and odor are all example using sight, touch, and smell. Mass and length are also phy balance and ruler.	es of physical properties beca	ause they are observed
A chemical property indicates how a substance reacts with		
fundamentally changed in observing a chemical property. property because rust is a new substance not originally for	and on iron. The iron has rea	on to rust is a chemical acted with oxygen, and th
original iron metal is changed. It now exists as iron oxide,	a different substance!	
Directions: Put a check mark in the column to classify each		
Property Description	Physical Property	Chemical Property
1. sulfur is a yellow color		
2. density of Al is 2.70 g/cm ³		
3. wood is flammable		
4. solubility (dissolving) of food coloring in water		
5. metals react with acid to form hydrogen gas		
6. oxygen supports combustion		
7. bases taste bitter		
8. the melting point of water is 0°C		
9. metals can react with water to form a gas		
10. acids can react with a base in neutralization		
11. diamonds (made from C) are very hard		
12. water's boiling point is 100°C		
13. non-metals do not conduct heat or electricity well		
14. metals are lustrous (shiny)		

15. methane gas is odorless until a chemical is added to it

16. volume of water in a water balloon is $100\ mL$

17. rust can form on the metal spokes of a bicycle

Name:	Period		Date:	
	Physical vs. Chemical Ch	anges Worksheet		
In a physical change, the original setc). In addition, a physical change change, however, a completely net (heat) changes typically accompaniassume a chemical change is taking substance than I started with? If setce the setce of the setce	e is always reversible – you w substance is produced – y ny chemical changes, but ca g place just because energy	can get back what you you can <u>never</u> get back n sometimes occur in p is involved! <u>Think</u> : D	u started with! In a ch what you started with physical changes as w	hemical th! Energy vell. Do not
<u>Directions</u> : Read the following st	atements. Classify the follo	wing as being a physic	al or chemical change	.
1. Sodium hydroxide dissolves in	water.			
2. Hydrochloric acid reacts with powater, and heat.	otassium hydroxide to prod	uce salt,		
3. A pellet of sodium is sliced in to	vo.			
4. Water is heated and changed to	steam.			
5. Potassium chlorate decompose	s to potassium chloride and	oxygen gas.	-	
6. An iron nail rusts when left out	in the rain.			
7. When placed in water, a sodium gas is given off and sodium hy	and the control of th	^v drogen		
8. On a cold fall morning, water values dew on the grass.	apor in the atmosphere con	denses into	-	
9. An ice cube melts on a hot sum	mer day.		-	
10. Milk sours after being kept pa	st the expiration date.			
11. Sugar dissolves in water.			<u> </u>	
12. Wood rots out in the rain.				
13. Pancakes cook on a griddle.			<u>-</u>	
14. Green grass making its own fo	ood.		9	
15. A tire is deflated (the air is let	out).		<u>-</u>	
16. Food is digested in the stomac	ch.			
17. How could you show that diss	olving salt in water results	in a physical change?	Explain! (worth 4 poi	ints)