Name:	Date:	
	Chemical Reactions & Changes	
	Classwork Unit 5 - Topic 1	

Is the PROPERTY physical or chemical? Sort each of the following properties into the appropriate category.

- Color
- Boiling Point
- Burns a hole in Aluminum foil
- Conducts electricity
- Malleable
- Changes color when reacting with vinegar
- Density
- Forms bubbles
- Does not react with hydrochloric acid
- Creates a gas when mixed with ethanoic acid

Physical:	Chemical:
1	1
2	2
3	3
4	4
5	5

Tell whether the following represent chemical or physical *properties*.

1	Silver nitrate is a white solid	
2	Silver nitrate is soluble (dissolves) in water	
3	Silver nitrate kills bacteria	
4	A solution of silver nitrate conducts electricity	
5	Silver nitrate solution reacts with sodium chloride to form a precipitate (liquid that has become a solid) of silver chloride.	
6	Silver nitrate has a high melting point.	

Name:	Date:
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More Physical vs. Chemical Changes:

Tell whether the following systems represent chemical or physical *changes*.

1	Silver nitrate turns black on exposure to light.	
2	A solution of silver nitrate is made more dilute by the addition of water.	
3	$Ag(NO_3) + NaBr \rightarrow AgBr + Na(NO_3)$	
4	Silver nitrate melts when much heat is applied.	
5	Water is evaporated from a solution of silver nitrate	
6	Silver nitrate kills bacteria in newborn's eyes.	

Writing and Balancing Equations - write the word equations below as chemical equations and balance them.

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1	zinc + lead (II) nitrate yield zinc nitrate + lead
2	aluminum bromide + calcium chloride yield aluminum chloride + calcium bromide
3	potassium chlorate when heated yields potassium chloride + oxygen gas
4	copper + sulfuric acid yield copper (II) sulfate + water + sulfur dioxide
5	hydrogen + nitrogen monoxide yield water + nitrogen