

Name : _____

Date : _____ Score: _____

Physical and Chemical Properties and Changes

1. Classify the following as physical or chemical by putting an X.

	Physical	Chemical
Red color		
Solubility		
Density		
Supports combustion		
Reacts with acid to form H ₂		

2. Classify the following properties as physical or chemical. If it is chemical, put a 'C' next to it. If it is intensive physical, put an 'I' next to it; if it is extensive physical, put an 'E'.

Property	C, E, or I?
Color	
Mass	
Flammability	
Density	
Reacts with acid to form hydrogen gas	

3. Identify the following as physical (P) or chemical (C) changes.

____ i. NaCl (table salt) dissolves in water

____ vi. Milk sours

____ ii. Ag (silver) tarnishes

____ vii. Sugar dissolves in water

____ iii. An apple is cut

____ viii. Wood rots

____ iv. Heat changes water to steam

____ ix. Pancakes cook

____ v. Baking soda reacts with vinegar

____ x. Grass grows

Name : _____

Date : _____ Score: _____

Physical and Chemical Properties and Changes

Answers

1. Classify the following as physical or chemical by putting an X.

	Physical	Chemical
Red color	X	
Solubility	X	
Density	X	
Supports combustion		X
Reacts with acid to form H ₂		X

2. Classify the following properties as physical or chemical. If it is chemical, put a 'C' next to it. If it is intensive physical, put an 'I' next to it; if it is extensive physical, put an 'E'.

Property	C, E, or I?
Color	I
Mass	E
Flammability	C
Density	I
Reacts with acid to form hydrogen gas	C

3. Identify the following as physical (P) or chemical (C) changes.

P i. NaCl (table salt) dissolves in water

C vi. Milk sours

C ii. Ag (silver) tarnishes

P vii. Sugar dissolves in water

P iii. An apple is cut

C viii. Wood rots

P iv. Heat changes water to steam

C ix. Pancakes cook

C v. Baking soda reacts with vinegar

C x. Grass grows