

Name : _____

Date : _____ Score: _____

Chemical and Physical Properties and Changes

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

	Physical	Chemical
Blue color		
Toxicity		
Mass		
Combustion		
Length		

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?
Melting point	
State (solid, liquid, gas)	
Ability to ignite	
Weight	
Reacts with a base to form water	

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

___ i. Fe (Iron) rusts

___ vi. Tire is inflated

___ ii. Alcohol evaporates

___ vii. Food is digested

___ iii. Ice melts

___ viii. A paper towel absorbs water

___ iv. A solid is crushed to a powder

___ ix. A bicycle changes color as it rusts

___ v. Mixing salt and pepper

___ x. Two substances are mixed, and light is produced

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Chemical and Physical Properties and Changes

Answers

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

	Physical	Chemical
Blue color	X	
Toxicity		X
Mass	X	
Combustion		X
Length	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?
Melting point	I
State (solid, liquid, gas)	I
Ability to ignite	C
Weight	E
Reacts with a base to form water	C

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

C i. Fe (Iron) rusts

P vi. Tire is inflated

P ii. Alcohol evaporates

C vii. Food is digested

P iii. Ice melts

P viii. A paper towel absorbs water

P iv. A solid is crushed to a powder

C ix. A bicycle changes color as it rusts

P v. Mixing salt and pepper

C x. Two substances are mixed, and light is produced