

Name _____ Period _____
 Chemical and Physical Change

1. Physical Properties List physical properties of these two substances.

PROPERTY	Water	Rubbing Alcohol
Color		
State of Matter		
Smell		
Volume		
Shape		
Other		
"Texture"		

2. Chemical Properties. List Chemical properties of these two substances.

PROPERTY	Water	Rubbing Alcohol
Formula		
Flammable?		
Toxic?		
Dissolves Copper Sulfate?		
Boiling point		
Freezing point point		
Molecular weight		

3. Suppose you had a really ugly shirt. List 6 ways you could physically change it.

4. List two ways you could chemically change that really ugly shirt.

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Isopropyl Alcohol

Water

Properties	
Molecular formula	C_3H_8O
Molar mass	60.1 g/mol
Appearance	Colorless liquid
Density	0.786 g/cm ³ (20 °C)
Melting point (Freezing point)	-89 °C, 184 K, -128 °F
Boiling point	82.5 °C, 356 K, 181 °F

Properties	
Molecular formula	H_2O
Molar mass	18.015 g/mol
Appearance	Colorless, transparent liquid
Density	1.000 g/cm ³ (20 °C)
Melting point (Freezing point)	0°C , 32 °F, (273.15 K)
Boiling point	100 °C, 212 °F (373.13 K)