

Name:

Period:

Seat#:

Fill in the following definitions

	Vocab Word	Definition
1)	Physical Property	
2)	Physical Change	<i>Change in which the identity of the substance does NOT change</i>
3)	Chemical Property	
4)	Chemical Change	

Identify each as either a chemical or a physical PROPERTY. Use C for chemical, P for physical.

Statement	C or P	Statement	C or P
5) Blue color		6) Density	
7) Flammability		8) Solubility	
9) Supports combustion		10) Sour taste	
11) Melting point		12) Odor	
13) Luster		14) Neutralize an acid	
15) Boiling point		16) Hardness	
17) Reacts with acid to form H ₂		18) Reacts with water to form a gas	

Identify each as either a chemical change or a physical CHANGE. Use C for chemical, P for physical.

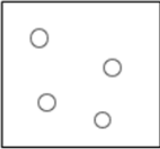
Statement	C or P	Statement	C or P
19) Glass breaking		20) Hammering wood together	
21) A rusting bicycle		22) Melting butter	
23) Separating sand from gravel		24) Bleaching your hair	
25) Frying an egg		26) Squeeze oranges for juice	
27) Melting ice		28) Mixing salt and water	
29) Mixing oil and water		30) Water evaporating	
31) Cutting grass		32) Burning leaves	
33) Fireworks exploding		34) Cutting your hair	
35) Crushing a can		36) Boiling water	
37) Combustion		38) Melting	
39) Dissolving		40) Metabolizing	
41) Filtering		42) Fermenting	
43) Decomposing		44) Distilling	
45) A pellet of sodium is sliced into two pieces		46) HCl reacts with NaOH to produce a salt, water, and heat	
47) Potassium chlorate decomposes to potassium chloride and oxygen gas		48) Acid on lime stone produces carbon dioxide gas	
49) Ice melts		50) Iron rusts	
51) Crack an egg		52) Bake a cake	

Dougherty Valley HS Chemistry

Changes, Properties, and Types of Matter

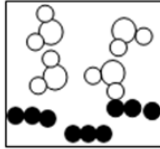
Directions: Identify each lettered box with as many of the following terms that makes sense: atom, molecule, compound, solid, liquid, gas, pure substance, mixture, homogeneous mixture, heterogeneous mixture. Highlight the words that apply.

A



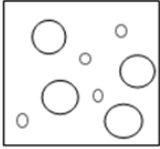
Atom	Solid	Pure Substance
Molecule	Liquid	Mixture
Compound	Gas	Homogeneous
		Heterogeneous

B



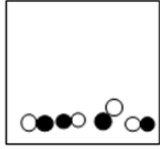
Atom	Solid	Pure Substance
Molecule	Liquid	Mixture
Compound	Gas	Homogeneous
		Heterogeneous

C



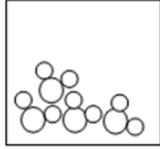
Atom	Solid	Pure Substance
Molecule	Liquid	Mixture
Compound	Gas	Homogeneous
		Heterogeneous

D



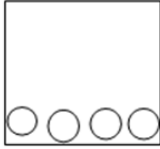
Atom	Solid	Pure Substance
Molecule	Liquid	Mixture
Compound	Gas	Homogeneous
		Heterogeneous

E



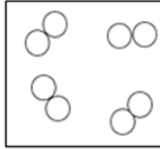
Atom	Solid	Pure Substance
Molecule	Liquid	Mixture
Compound	Gas	Homogeneous
		Heterogeneous

F



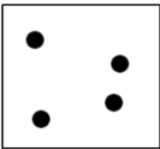
Atom	Solid	Pure Substance
Molecule	Liquid	Mixture
Compound	Gas	Homogeneous
		Heterogeneous

G



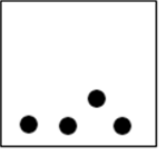
Atom	Solid	Pure Substance
Molecule	Liquid	Mixture
Compound	Gas	Homogeneous
		Heterogeneous

H



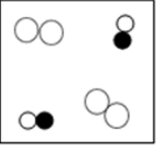
Atom	Solid	Pure Substance
Molecule	Liquid	Mixture
Compound	Gas	Homogeneous
		Heterogeneous

I



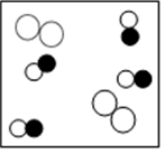
Atom	Solid	Pure Substance
Molecule	Liquid	Mixture
Compound	Gas	Homogeneous
		Heterogeneous

J



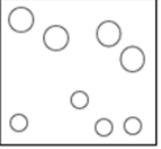
Atom	Solid	Pure Substance
Molecule	Liquid	Mixture
Compound	Gas	Homogeneous
		Heterogeneous

K



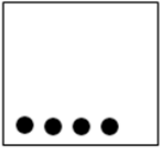
Atom	Solid	Pure Substance
Molecule	Liquid	Mixture
Compound	Gas	Homogeneous
		Heterogeneous

L



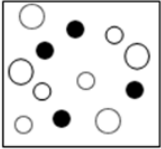
Atom	Solid	Pure Substance
Molecule	Liquid	Mixture
Compound	Gas	Homogeneous
		Heterogeneous

M



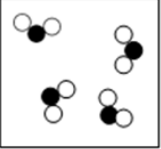
Atom	Solid	Pure Substance
Molecule	Liquid	Mixture
Compound	Gas	Homogeneous
		Heterogeneous

N




Atom	Solid	Pure Substance
Molecule	Liquid	Mixture
Compound	Gas	Homogeneous
		Heterogeneous

O



Atom	Solid	Pure Substance
Molecule	Liquid	Mixture
Compound	Gas	Homogeneous
		Heterogeneous

P



Atom	Solid	Pure Substance
Molecule	Liquid	Mixture
Compound	Gas	Homogeneous
		Heterogeneous