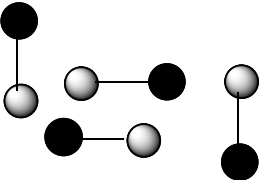
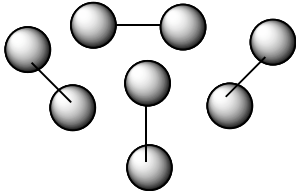
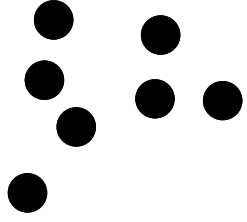
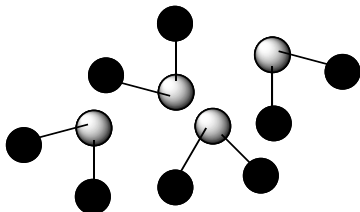
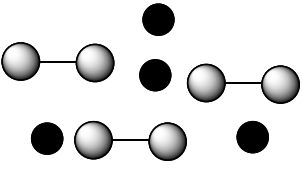
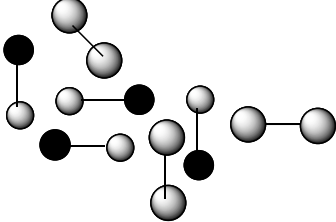
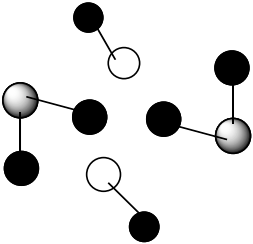
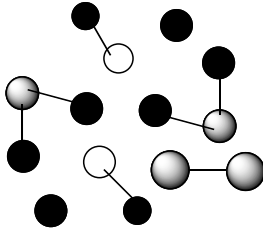


Exam 1 Practice

For the following items choose the letter or letters which best corresponds or matches the statement.

<p>a</p> 	<p>e</p> 
<p>B</p> 	<p>f</p> 
<p>c</p> 	<p>G</p> 
<p>d</p> 	<p>h</p> 

A mixture of 2 compounds	
A mixture of a compound and an element	
A monatomic element	
A mixture of 2 elements	
A diatomic element	
Which could not be broken down by chemical or physical change	
Which represents what could be a sample of hydrogen gas?	
Which represents what could be a sample of helium gas?	
Which could represent bromine?	
How many particles are in box c	
Is box b pure or not pure	
Is box a pure or not pure	
How many different types of particle are in box a?	
How many particles are in box h?	
How many different types of particle are in box h?	
How many different types of particle are in box g?	
Does box f represent a compound, element, or mixture?	
How many particles are in box a	

Name	Symbol	Atomic Number	Solid liquid or gas at room temperature	Atomic Mass	Metal, Nonmetal or Metalloid	Is it diatomic? Yes or No?	Period Number	Family Name or Number if no name
					Metalloid		2	
			liquid				6	
		15						
							4	Halogen
						yes		VB

Answer	Classify the following as <b>a)</b> endothermic or <b>b)</b> exothermic:
	A reaction in which light is given off
	A reaction in which the test tube gets colder
	An explosion

Answer	Classify the following as <b>a)</b> mixture , <b>b)</b> element ,or <b>c)</b> compound (9 points)
	K
	Tap water
	H <sub>2</sub> O
	Steel
	A bowl of chicken noodle soup
	A substance in which the elements are combined in a set or definite ratio
	A substance that cannot be separated by physical change or chemical change
	A substance that is not pure
	Aluminum

Calculate the molecular mass of the following:

	Answer
Fe(NO <sub>3</sub> ) <sub>2</sub>	

Answer	Classify the following as <b>a)</b> potential energy or <b>b)</b> kinetic energy
	A swimmer in the middle of a race
	A car with a tank full of gasoline

Answer	Classify the following as a <b>a)</b> physical or <b>b)</b> chemical change
	1. Evaporating alcohol
	2. Mixing sugar into water
	3. Going from a liquid to a solid
	4. A reaction that produces a new substance
	5. Breaking a glass
	6. Forming water from hydrogen and oxygen
	7. Mixing to liquids and bubbles form
Answer	Classify the following as a <b>a)</b> heterogeneous or <b>b)</b> homogeneous (3 points)
	8. Koolaid
	9. Spaghetti with meat and mushrooms
	10. Tap water

Give 3 properties of a metal


Answer	Indicate which is larger
	a) 1 quart b) 1 liter
	a) 1 ounce b) 1 gram

Convert 22.8 mg to cg

Convert 35 K into Celsius.

Convert 25.9 cm to inches

How many dl in 34.99 cm<sup>3</sup>?

What is the mass of a piece of lead (density= 11.34 g/cc) if the volume of the lead is 45/6 ml?