

Chapter 3 Jeopardy Game

	Value	Question	Answer
Properties	200	What property of gases allows the particles to be pushed closer together?	
	400	What kind of property describes the way a substance changes into other substances?	
	600	Gases and liquids have what kind of shape?	
	800	Which state of matter generally has the highest density?	
	1000	These are properties that DON'T depend on the amount of a substance.	
Changes	200	What kind of change does not alter the composition of a substance?	
	400	What physical change occurs when crystals disappear into water?	
	600	What kind of change occurs when a color change is observed?	
	800	What law is described by "Mass of reactants = Mass of products?"	
	1000	Boiling water is what kind of change?	
Mixtures	200	Are mixtures chemical or physical combinations?	
	400	When substances are mixed, what happens to their chemical properties?	
	600	What kind of mixture consists of two or more distinct phases that are relatively easy to separate?	
	800	Filtration is an example of what kind of technique?	
	1000	What is a mixture of two metals, such as brass, called?	
Elements/ Compounds	200	What is the smallest representative particle of an element?	
	400	What is composed of two or more atoms chemically bonded?	
	600	Elements and compounds are both what kind of substance?	
	800	Which law describes the ratios of elements in a given compound?	
	1000	What kind of substance is created when a compound is broken down chemically?	
Periodic Table	200	What are the columns in the periodic table called?	
	400	How many periods are there in the periodic table?	
	600	Name an element that should have properties similar to O.	
	800	What is the name of the group that contains bromine (Br)?	
	1000	What is the group of elements along the staircase called?	
Potpourri	200	What kind of material is tylenol (acetaminophen)?	
	400	What family of elements is generally unreactive?	
	600	Name one element that is a liquid at room temperature	
	800	What is the physical property by which sand and salt were initially separated?	
	1000	In which period do the Lanthanoids belong?	

Final Jeopardy Category: Law of Multiple Proportions

Which of the following pairs of compounds does NOT illustrate the Law of Multiple Proportions:

CH₄/C₃H₈, PCl₃/PCl₅, FeS/FeSO₄, or Cu₂O/CuO?