

Chapter 6-7 Jeopardy Game

	Value	Question	Answer
Classification	200	This is the name of the group 1 elements.	
	400	Most elements are what type of material?	
	600	Elements from the s- and p-block are called what?	
	800	These elements have properties of metals and nonmetals.	
	1000	What are the names of the two rows that make up the inner transition metals?	
Periodic Trends	200	This is the smallest element on the periodic table.	
	400	This element has the smallest ionization energy.	
	600	Of Si, S, or P, the one with the highest electronegativity	
	800	Which is larger, As^{3-} or As?	
	1000	Which atomic radius is largest: S, Cl, or Br?	
Properties	200	These elements are dull, brittle, and non-conductive	
	400	These are generally hard, strong metals	
	600	How many electrons are needed to fill the outermost energy level?	
	800	This is the name for the energy needed to remove an electron from an atom.	
	1000	Why were the rare earth metals difficult to separate and discover?	
Families	200	This is the name of the group 18 elements	
	400	All elements in a family have the same what?	
	600	These nonmetal elements react with metals to form salts.	
	800	Group 13 elements form ions with what charge?	
	1000	These elements are harder and slightly less reactive than group IA.	
Regions	200	This block encompasses the alkali metals and alkaline earth metals	
	400	This is the region above and to the right of the staircase	
	600	What elements exist along the staircase on the right side of the table?	
	800	What is another name for the f-block elements?	
	1000	All gaseous elements belong to what category?	
Potpourri	200	How does an atom become positively charged?	
	400	What is the charge on a nickel (Ni) ion with electron configuration $[Ar]3d^7$? {Hint: what is the electron configuration of a neutral Ni atom?}	
	600	Diamond is one what of carbon?	
	800	All Actinoid (5f) elements share what dangerous property? [Hint: what is true of all elements with atomic number $Z > 83$?]	
	1000	This energy level of d-orbitals is being filled in the 6th row.	

Final Jeopardy Category: Transition metals

These are responsible for the magnetic properties of the transition metals and the color of their compounds.