CEM 101, Unit 4 Answers to Practice Problems

Write the number of the 1. Atomic Number		that is described Mass Num	•	
# protons + # ne	eutrons			
1 symbolized by Z	Z			
# protons				
symbolized by A	A			
1 determines iden	tity of an ato	om		
atoms with sam	e Z but diffe	rent A		
in a neutral ator	n, same as th	ne number of	electrons	
3 atoms of same 6	element but v	with different	# neutrons	
Classify each of the foll a) metal, nonmetal, and b) representative ele	or metalloid		lanthanide, o	r actinide
copper Metal (transition metal)				
silicon Metalloid (representative)	potassium (represente		iodine (representa	Nonmetal ative)
sulfur Nonmetal (representative)	iron (transition	Metal)	boron (representa	Metalloid utive)
barium Metal (representative)	silver (transition	Metal)	phosphorus (representa	s Nonmetal
cerium (Ce) Metal (lanthanide)	cesium (Cs) Metal (representative)		uranium (U) Metal (actinide)	