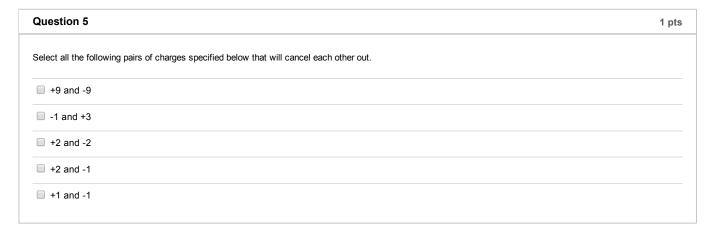
HW 1.4

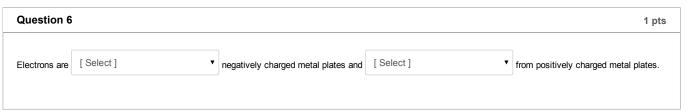
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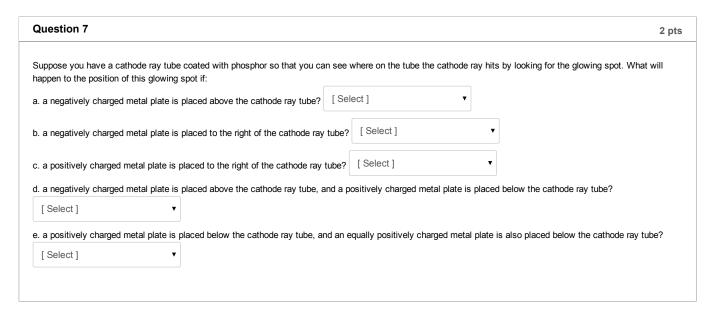
Quiz Instructions

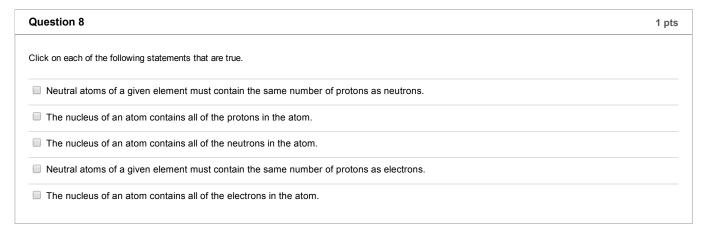
<-- Return to "To Do List"

Question 1	1 pt
Click on each of the following statements that are true .	
Cathode rays are rays of light, thus they have no mass.	
J.J. Thomson is credited with the discovery of the electron.	
Cathode rays are positively charged.	
Cathode rays can be repelled by a negatively charged metal plate.	
Phosphor is a material that glows when struck by cathode rays.	
Question 2	1 p
Decide which of the following is an expression accolusion based on the absencation below:	
Decide which of the following is an appropriate conclusion based on the observation below: Cathode rays are attracted to a positively charged metal plate."	
O Cathada saya baya sa shasa	
Cathode rays have no charge.	
Cathode rays are positively charged. Cathode rays are negatively charged.	
Califode rays are negatively charged.	
Question 3	1 p
Decide which of the following is an appropriate conclusion based on the observation below:	
Electrons have a negative charge."	
Atoms must also contain positive subatomic material.	
Atoms must be positively charged.	
Atoms must be negatively charged.	
Question 4	
ROGULI 4	1 p
Decide which of the following statements is an appropriate conclusion based on the observation below:	
Alpha particles fired at a thin gold foil are occasionally scattered back in the direction that they came from."	
Atoms contain neutrons.	





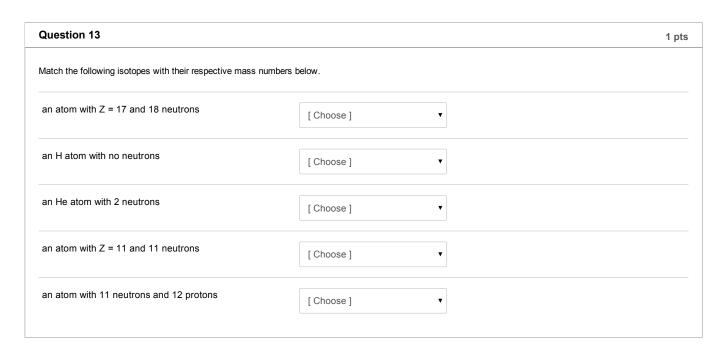


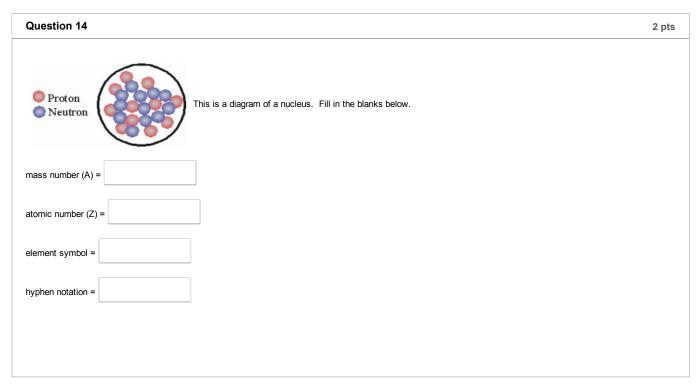


Question 9 1 pts

Match the characteristics in the left column with the appropriate	e subatomic particle.	
has a charge of +1	[Choose]	
has a mass of 9.10938E-28 grams	[Choose]	
is neither attracted/repelled by charged objects	[Choose]	
Question 10		1 pts
Indicate which of the following statements are true.		
☐ An atom with 7 protons and 7 neutrons will have A = 14	4.	
A neutral atom with A = 4 must have 4 electrons.		
■ An atom with 7 protons and 7 neutrons will have Z = 14	4.	
■ A neutral atom with Z = 4 must have 4 electrons.		
☐ A neutral atom with 7 electrons and 7 neutrons will hav	ve A = 14.	
☐ The symbol for an element's atomic number is A.		
An element's atomic number is equal to the number of	f protons in the nuclei of any of its atoms.	
Question 11		2 pts
Use the periodic table to find the symbol for the element with:		
a. 44 electrons in a neutral atom.		
b. 30 protons.		
c. Z = 36.		
c. Z = 36. d. an atomic mass of 14.007 amu.		
d. an atomic mass of 14.007 amu.		
		2 pts
d. an atomic mass of 14.007 amu. Question 12	n box contains data for different isotopes of the same five elements. For each one cho	
d. an atomic mass of 14.007 amu. Question 12 Below is a list of data for five different elements. The drop down	n box contains data for different isotopes of the same five elements. For each one cho	
d. an atomic mass of 14.007 amu. Question 12 Below is a list of data for five different elements. The drop down isotope of the same element.	·	

an atom with Z = 7 and 7 neutrons [Choose]	an atom with 1 proton and A = 1	[Choose]	•
	an atom with Z = 7 and 7 neutrons	[Choose]	•





Question 15	2 pts
Answer the following questions: a. What's the mass number of a neutral atom that contains 17 protons and 18 neutrons?	

b. What's the mass number of a neutral atom that contains 7 electrons and 7 neutrons?	
c. What's the mass number of a neutral atom that contains 5 protons, 5 electrons, and 6 neutrons?	
d. What's the mass number of a neutral atom that contains 3 electrons and 4 neutrons?	
Not saved Sub	mit Quiz