

Assignment 5-2c (Structure of Atoms)

Name _____

Class Period _____

Date _____

©1999 Sci-Ed Services

Hint: To do this assignment you will have to know...

- what charge each sub-atomic particle has;
- J.J. Thomson's theory about negative and positive charges;
- the definition of atomic number;
- the definition of mass number.

Instructions: Fill in the blanks with the correct information.

Element Symbol	Element Name (isotope)	Atomic Number	Number of Protons	Number of Neutrons	Number of Electrons
Mass # →	⁷ lithium	3			
	¹¹ boron				5
	¹² carbon		6		
	¹⁴ nitrogen	7			
	¹⁹ fluorine				9
	²⁰ neon			10	
	²³ sodium		11		
	²⁷ aluminum				13
	²⁸ silicon	14			
	³¹ phosphorus			16	
	⁴⁰ argon		18		
	⁴⁰ calcium	20			
	⁵² chromium		24		
	⁵⁶ iron				26
	⁶⁵ zinc	30			
	¹⁰⁸ silver	47			
	¹¹⁹ tin			69	
	¹²⁷ iodine				53
	¹³¹ xenon	54			
	¹⁸⁴ tungsten			110	
	¹⁹⁷ gold	79			
	²⁰⁷ lead		82		
	²³⁸ uranium	92			