Atomic Structure Worksheet

tudent Name: roject Objective:	Grade Level:	Due Date:
Answer the Following Que	estions	
Which subatomic particle	le determines the ideni	tity of an element?
Answer:		
• Where are protons and	neutrons located in an	atom?
Answer:		
 What charge does an ele 	ectron carry?	
Answer:		
 What does the atomic n 	number represent?	
Answer:		
 What is the total number 	er of electrons in a neut	tral atom of oxygen?
Answer:		

Create Lewis Dot Structures
For each element, write the
chemical symbol and add dots to
represent valence electrons.

Example:

Oxygen $\rightarrow 0$..

Reflection (Write 4-5 Sentences)

In your own words, explain why understanding atomic structure is important in science. How does it help in understanding elements, reactions, or materials?