



Student's name:	Class/Section:
Subject: Physics	NGSS: HS.PS2
Lesson Title: Atomic Structure	Date:
<b>Objective: Describe the structure of an atom.</b>	



**Q1. What is the nucleus, and where is it located within the atom?, and what does it contain?**



**Q2. Explain why almost the entire mass of the atom is concentrated in the nucleus.**

**Q3. Define the atomic mass unit. (amu)**

**Q4. What is the relationship between the atomic mass unit and the mass of a single atom of carbon-12?**

**Q5. Imagine an atom with 6 protons, 6 neutrons, and 6 electrons. Calculate its atomic mass.**

**Challenge:**

**Q6. Why is the atomic mass unit not exactly the same as the mass of a proton or neutron?**

Comment	Strength	Improvement	Response
		Next time,	

**Value:** *Charity in schools fosters empathy and social responsibility among students, promoting a sense of community and altruism. Inside classrooms, incorporating charity initiatives cultivates a culture of giving, teaching students the importance of compassion and making a positive impact on the world around them.*