

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



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.*