

Name \_\_\_\_\_

Date \_\_\_\_\_

### Atomic Structure Notes

Word/Concept	Notes/Definition
<b>Matter</b>	
<b>Atom</b>	
<b>Subatomic particles</b>	
<b>Proton</b>	
<b>Electron</b>	
<b>Neutron</b>	
<b>Nucleus</b>	
<b>Electron Cloud</b>	
<b>AMU</b>	

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### Structure of Atoms Questions

1. All matter can be broken down into? \_\_\_\_\_
  2. How would you describe matter? \_\_\_\_\_
  3. Give some examples of matter. \_\_\_\_\_
  4. What are the two parts to an atom? \_\_\_\_\_ & \_\_\_\_\_
  5. What do we call the center of an atom? \_\_\_\_\_
  6. What do we call the outer part of the atom? \_\_\_\_\_
  7. Name the three subatomic particles. \_\_\_\_\_, \_\_\_\_\_, & \_\_\_\_\_
  8. Where do you find electrons? \_\_\_\_\_
  9. What do you find in the nucleus? \_\_\_\_\_
  10. What is the unit of measurement for subatomic particles? \_\_\_\_\_
  11. Why is the mass found in the nucleus of the atom? \_\_\_\_\_
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Part of Atom	Mass	Electrical charge
Proton		
Electron		
Neutron		
Nucleus	XXXXX	
Electron Cloud	XXXXX	

12. Compare and contrast the size of the three subatomic particles (protons, electrons, and neutrons). Illustrate them as well.

13. Explain why the nucleus is positive.

14. Explain why the entire atom has a neutral charge.

15. Using this model, explain where the following would be found: Nucleus, Electron cloud, Proton, Electron, Neutron.

