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| **Names:** |  |  |  |  |
| **Chapter 9 Section 3**  **(pages 333-339)**  **Questions** | **Answer** | **Because (explain or elaborate)** | **Cite Evidence (where did you find the answer?)** | **Dream up a new question related to this topic** |
| 1. What happens to the atoms of most  nonmetals when they react with other elements? |  |  |  |  |
| 2. What are the physical properties of nonmetals? |  |  |  |  |
| 3. How are metalloids unique? |  |  |  |  |
| 4. How do the chemical properties of halogens compare to those of the noble gases? |  |  |  |  |
| 5. What families do the nonmetals contain? |  |  |  |  |
| 6. How is the periodic table organized? |  |  |  |  |
| **Names:** |  |  |  |  |
| **Chapter 9 Section 4**  **(pages 343-349)**  **Questions** | **Answer** | **Because (explain or elaborate)** | **Cite Evidence (where did you find the answer?)** | **Dream up a new question related to this topic** |
| 1. How is the cloud model of the atom different from Bohr’s model? |  |  |  |  |
| 2. What causes a theory to change over time? |  |  |  |  |
| 3. How has the atomic theory changed over time? |  |  |  |  |
| 4. What is the atomic number and how is it used for the elements? |  |  |  |  |
| 5. Why are electrons shown as a cloud? |  |  |  |  |
| 6. What is the modern model of an atom like? |  |  |  |  |