Periodic Table Organization Test

Draw a Bohr model of an atom of the elements located on the following positions of the Periodic Table. Your model should include electrons on appropriate levels. You don't have to include a nucleus or nuclear particles.

1. Period 2 Group 18

2. Period 3 Group 1

3. Period 4 Group 2

4. Period 1 Group 18

Compare the atomic radii of the elements located at the following positions on the Periodic Table by identifying the element possessing the larger radius in each pair:

5. Period 2 Group 18 or Period 2 Group 2
6. Period 5 Group 3 or Period 5 Group 14
7. Period 2 Group 18 or Period 4 Group 18
8. Period 1 Group 18 or Period 7 Group 18

Compare the reactivity of the elements located at the following positions on the Periodic Table by identifying the element possessing the greater reactivity in each pair:

9. Period 2 Group 18 or Period 2 Group 2
10. Period 5 Group 1 or Period 5 Group 11
11. Period 2 Group 18 or Period 4 Group 3
12. Period 6 Group 2 or Period 7 Group 18

Classify the elements with the following characteristics as metals or nonmetals. Also tell which characteristic of a metal the word is referring to:

13. Shiny_____
14. Brittle_____
15. Easily allows electricity to flow through it_____
16. Can be pounded into thin sheets _____