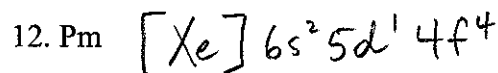
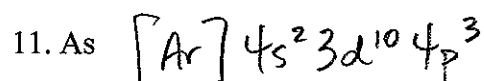
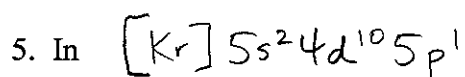
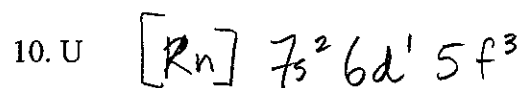
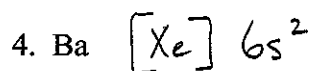
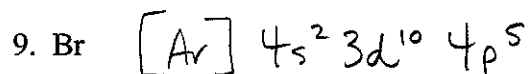
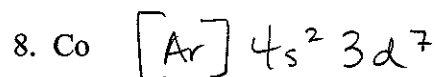
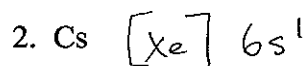
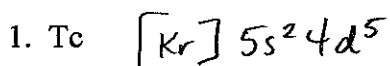


Core Notation of Electron Configurations

Name: Key.

Write the electron configuration (in core notation) as well as the orbital diagram (in core notation) for each of the following:



Determine the number of total electrons in the outermost 'p' orbitals of each of the following species:

1. Al 1

6. Ca 6

2. S 4

7. Sn 2

3. I 5

8. Sr 6

4. Cl 5

9. Mn 6

5. Y 6

10. Sb 3