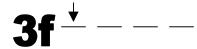
Electron Practice Name: ______ Date: _____

1. What is wrong with the following notation?



- 2. How many sublevels would you expect in the 8th energy level?
- 3. What is the maximum number of electrons that can fit in the 3d sublevel?
- 4. How many electrons can fit in a 2p orbital?
- 5. In the 5th energy level, there is a fifth sublevel called the "g sublevel". Considering the trend in number of orbitals and electrons in the s, p, d, and f sublevels, predict how many orbitals and how many electrons can fit in a g sublevel.
- 6. Considering your answer to question 5, how many electrons can fit in the entire 5th energy level?
- 7. Write the notation for an electron spinning clockwise in a p sublevel in the 4^{th} energy level.