

Notebook Entries Chemical Symbol

1. Draw and label a chemical symbol diagram in your notes.
2. Explain how to determine the number of protons from the chemical symbol.
3. Explain how to determine the number of neutrons.
4. Explain how to determine the charge on an ion.
5. Explain why Ca^{2+} has 18 electrons even though it looks like plus 2.
6. Explain why F^{-} has 10 electrons even though it looks like minus 1.
7. Explain why the Calcium in #5 does not have 22 protons and 20 electrons.
8. Define isotopes.

HONORS Include 9 - 11

9. Define Mass number.
10. Explain how to calculate average atomic mass. **SHOW AN EXAMPLE CALCULATION**
11. Explain the difference between average atomic mass and mass number.