

Symmetry in Nature
Applications of Symmetry

Homework Assignment Week 4

1. Draw Lewis dot structures of the following molecules. If the octet rule is violated by any of the central atoms, identify them as having more than 8 electrons or being electron deficient.

- PCl_3
- H_2S
- BeH_2
- AlCl_3
- SF_4
- ClF_5
- SF_6
- N_3^- ion
- NO_2^- ion
- SeO_3
- TeF_4
- ICl_5
- SeCl_6