

Electron Configurations Practice Questions

1. Predict the electron configurations of S, K, Ti, Sn.

2. Which of the following are expected to be diamagnetic in the ground state?

Ba

Se

Zn

Si

3. Write the shorthand electron configuration for:

Ni

Ge

Cs

Br

Bi

4. Draw the complete orbital diagram for Mg.

5. Draw orbital diagrams for the shorthand configuration of Ni and Ge.