



Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Worksheet:**

**Electron Configurations and energy diagrams for n=1 and n=2**

In the blank space below, for each of the following elements, first determine the number of electrons in the neutral atom, then write the electron configurations and energy diagram.

- To check your configurations, you may consult configurations listed on your periodic table. However, you may not simply copy them.
- To check your energy diagrams, consult this website: <http://www.chemcollective.org/applets/peptable.php>, also linked through your online lesson page. Click on the element to show its energy diagram.

*(Please write answers below; do no squeeze here)*

- |             |           |            |
|-------------|-----------|------------|
| 1) Boron    | 4) Helium | 7) Oxygen  |
| 2) Fluorine | 5) Argon  | 8) Lithium |
| 3) Aluminum | 6) Sodium |            |