

**Hand in one per group: keep one copy for yourself.**

**1. Down a group in the periodic table:**

Do you think the **atomic radius** of **Lithium (Li)** is larger or smaller than that of **Sodium (Na)**?

- A. Larger                      B. Smaller                      C. Same                      D. Don't Know

What did you base your answer on?

**2. Across a row in the periodic table:**

Do you think the **atomic radius** of **Lithium (Li)** is larger or smaller than that of **Neon (Ne)**?

- A. Larger                      B. Smaller                      C. Same                      D. Don't Know

What did you base your answer on?

**3. Were you surprised when you saw the answer?**

**4. Down a group in the periodic table:**

Do you think the **ionization energy** of **Lithium (Li)** is larger or smaller than that of **Sodium (Na)**?

- A. Larger                      B. Smaller                      C. Same                      D. Don't Know

What did you base your answer on?

**5. Across a row in the periodic table:**

Do you think the **ionization energy** of **Lithium (Li)** is larger or smaller than that of **Neon (Ne)**?

- A. Larger                      B. Smaller                      C. Same                      D. Don't Know

What did you base your answer on?