

Periodic Table

Name - \_\_\_\_\_

1.) List three pieces of information besides an element's name and symbol that are recorded on a typical periodic table.

- ionic charge (combining capacity)

- atomic mass

- atomic number

2.) State how many protons are present in each of the following atoms:

a.) Silicon - 14

b.) Chromium - 24

c.) Iodine - 53

3.) List the following elements by atomic mass from lightest to heaviest: zinc, calcium, cobalt, nickel, carbon.

Write the atomic mass beside each one.

Lightest → carbon - 12.01, calcium - 40.08, nickel - 58.69, cobalt - 58.93,

zinc - 65.39 → heaviest.

4.) What is the most common ion charge of chromium?

Chromium has two charges of +2 and +3. The +3 is written first reading from left to right so the +3 is more common.

5.) Where on the periodic table do you find the:

a.) metals - on the left of the "steps".

b.) non-metals - on the right of the "steps".

c.) metalloids - Up and down both sides of the "steps" for one row out only.