

## TASKS:

- Fill in the missing words (proton, neutron, electron, nucleus, period, group)
  - A vertical column in the periodic table is called a .....
  - A..... is a particle, which has a positive charge.
  - An..... is the smallest particle, which is found whizzing around the nucleus.
  - A horizontal row in the periodic table is called a .....
  - The center region of an atom, where you can find protons and neutrons, is called the .....
  - A..... is a particle, which has a neutral charge.
- Write how many protons each element has (use the periodic table).
  - Li
  - Na
  - Fe
  - Br
- Write how many valence electrons each element has (use the periodic table).
  - Be
  - Al
  - S
  - K
- Write how many layers of electrons each element has (use the periodic table).
  - O
  - P
  - K
  - Ca
- Write how many protons, neutrons and electrons each element has (use the periodic table).
  - C
  - F
  - Na
  - P
  - S
- Choose the right answer for each question:
  - What is the first element on the periodic table?
    - Helium (He)
    - Hydrogen (H)
    - Lithium (Li)
    - Argon (Ar)
  - Elements in the periodic table are arranged by...
    - Atomic number
    - Atomic weight

- c. Number of neutrons
- d. Chemical reactivity

3. Which of these is NOT one of the basic particles of an atom?

- a. Electron
- b. Quatron
- c. Proton
- d. Neutron

4. Which atomic particles form the nucleus of an atom?

- a. Electron and proton
- b. Neutron and electron
- c. Proton and neutron

5. There is no particle of matter smaller than an atom.

- a. True
- b. False

6. Which of these is not a major part of an atom?

- a. Electrons
- b. Protons
- c. Neutrons
- d. All are parts of an atom

7. An ion is a form of an atom with a different number of...

- a. Electrons
- b. Protons
- c. Neutrons
- d. All of the above