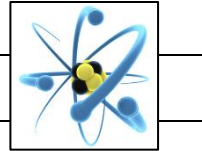


# Radioactivity



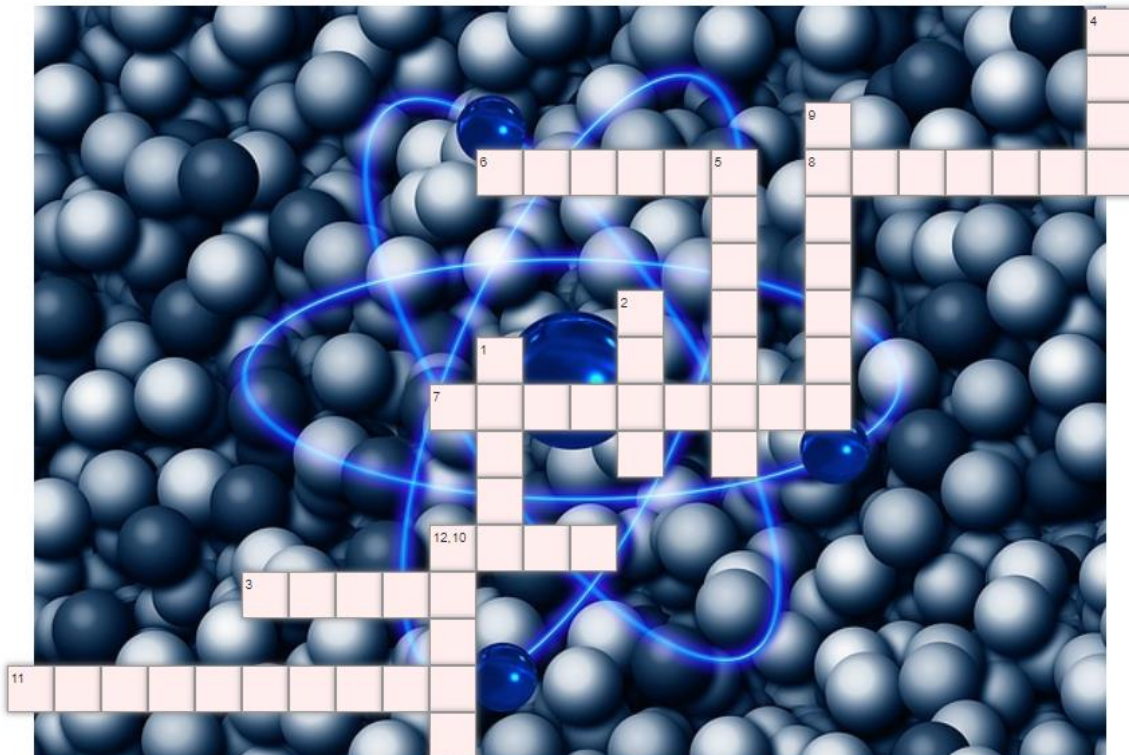
Fill in the sentences below using the words: *hands, background, gamma, nucleon, tube, proton, electrons, liquids, gamma, isotope, half, beta.*

## DOWN

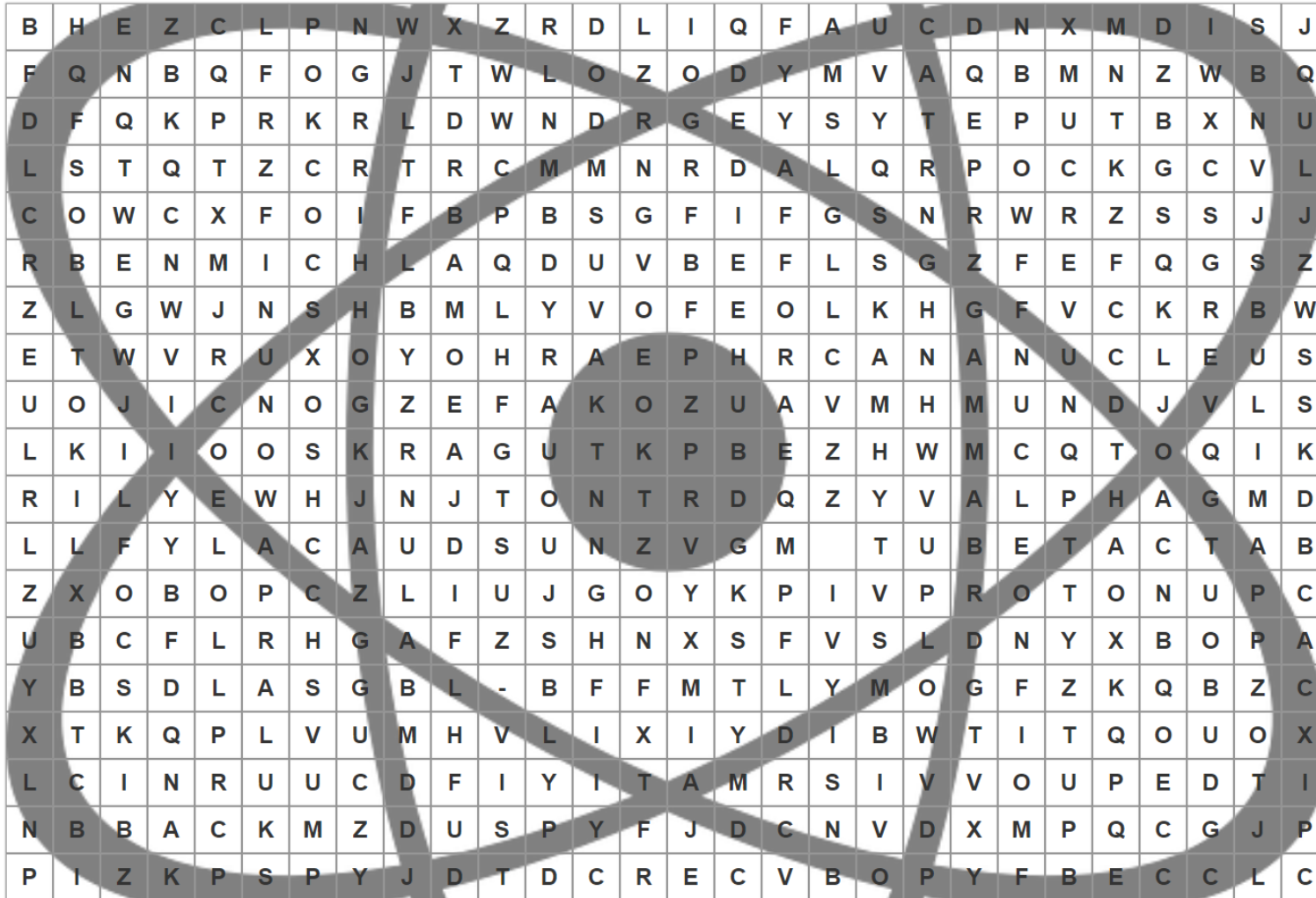
- \_\_\_\_\_ rays are stopped by 6 cm of air and skin.
- \_\_\_\_\_ rays are stopped by 3 cm of aluminium.
- A GM \_\_\_\_\_ and counter is used to detect radioactivity.
- \_\_\_\_\_ number is the number of protons and neutrons in a nucleus.
- All substances exist in three states: solids, \_\_\_\_\_ and gas.
- Always use a forceps to move a radioactive source. Never use your bare \_\_\_\_\_.

## ACROSS

- \_\_\_\_\_ rays are stopped by 3 cm of lead.
- \_\_\_\_\_ number is the number of protons in a nucleus.
- The number of \_\_\_\_\_ orbiting a nucleus is equal to the number of protons.
- An \_\_\_\_\_ is an element with the same number of protons but different number of neutrons.
- Our body is all the time receiving \_\_\_\_\_ radiation.
- The time taken for \_\_\_\_\_ the atoms to decay is called the *half-life* of the substance.



# RADIOACTIVITY - WORD SEARCH NO 2



1. NUCLEON
2. ALPHA
3. GAMMA
4. GM TUBE
5. NUCLEUS
6. ISOTOPE
7. HALF-LIFE
8. PROTON
9. BETA
10. ISOTOPE
11. BACKGROUND
12. ELECTRON