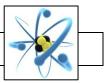
Radioactivity



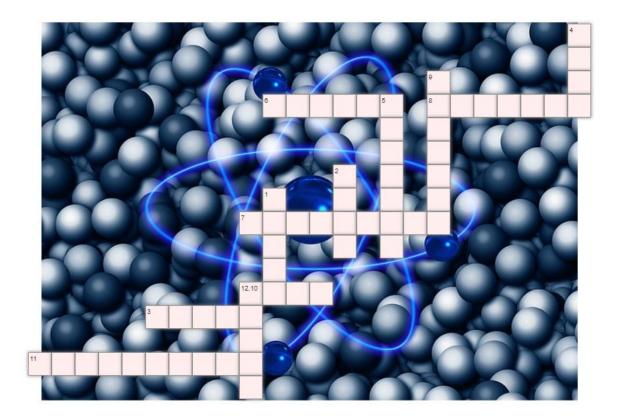
Fill in the sentences below using the words: *hands, background, gamma, nucleon, tube, proton, electrons, liquids, gamma, isotope, half, beta.*

DOWN

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

ACROSS

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



RADIOACTIVITY – WORD SEARCH NO 2

в	н	E	z	С	Ŀ	Р	Ν	W	X	z	R	D	L	I	Q	F	Α	U	С	D	N	X	М	D	T	S	J	1. NUCLEON
F	Q	N	в	Q	F	ο	G	J	т	W	L	0	z	0	D	Y	М	V	A	Q	в	м	N	Z	W	В	Q	2. ALPHA
D	F	Q	к	Р	R	к	R	F	D	w	N	D	R	G	E	Y	S	Y	Т	E	Р	U	т	в	Х	N	U	3. GAMMA 4. GM TUBE
L	s	т	Q	т	z	С	R	т	R	с	М	M	N	R	D	A	L	Q	R	Р	ο	С	κ	G	С	v	L	5. NUCLEUS
С	0	w	С	X	F	ο	I	F	в	Р	в	s	G	F	I	F	G	S	N	R	w	R	z	s	s	J	J	6. ISOTOPE
R	в	E	N	м	I	С	Н	L	A	Q	D	U	V	в	Е	F	L	S	G	z	F	E	F	Q	G	s	Z	7. HALF-LIFE
z	L	G	w	J	N	s	Н	в	м	L	Y	V	0	F	Е	0	L	κ	н	G	F.	V	С	к	R	В	w	8. PROTON
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- ON
- BE
- US
- ΡE
- IFE
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- ΡE
- ROUND
- RON