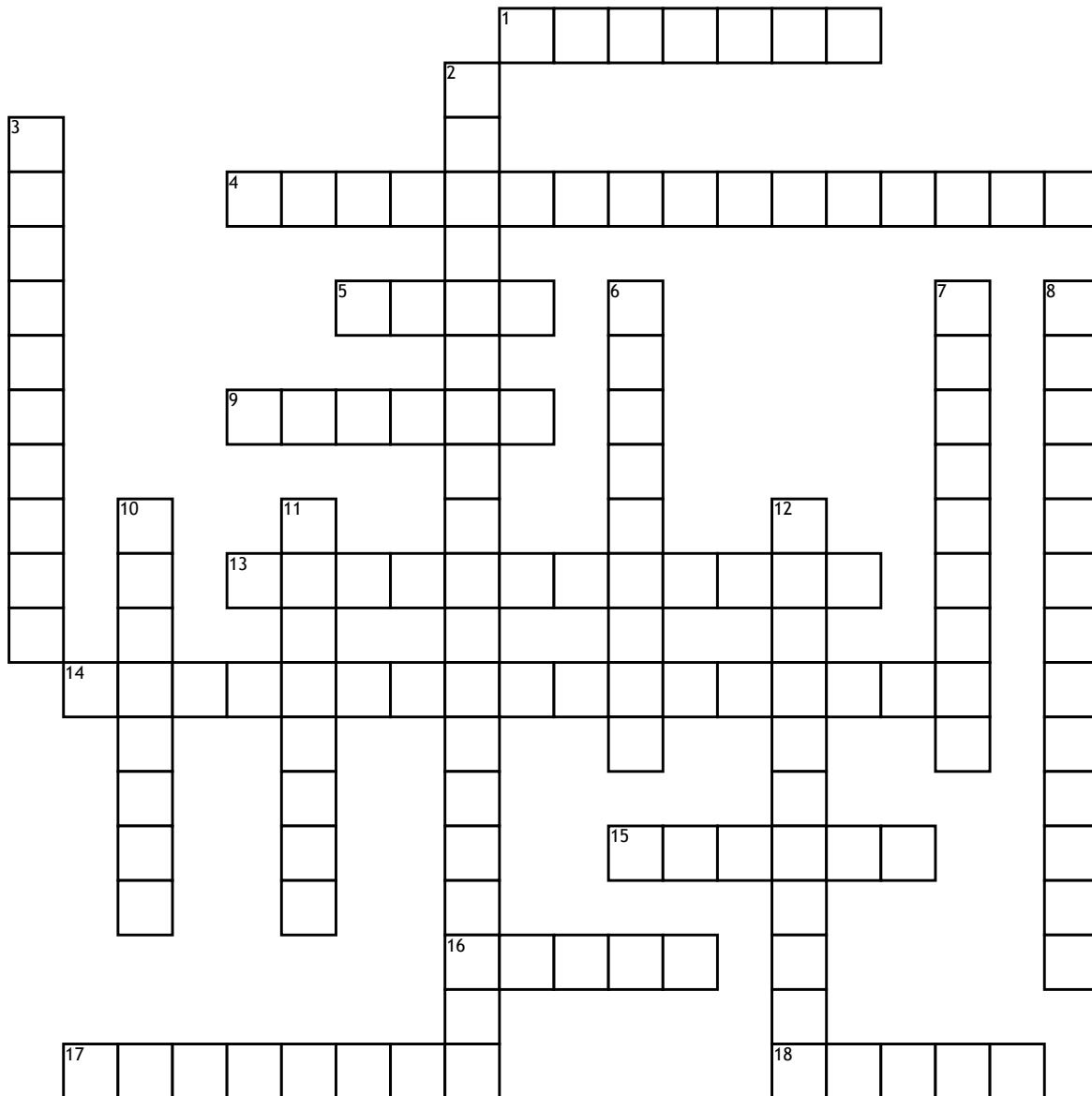


# P4 Radioactivity



## Across

1. Same element with different number of neutrons.
4. Used to measure radioactivity.
5. A high speed electron.
9. positively charged subatomic particles
13. electrons are arranged in these within the atom
14. Rutherford did this to discover the nucleus

15. radioactive decay is...

16. Type of radiation blocked by paper
17. Time for half the nuclei to decay
18. The most penetrating form of radiation

## Down

2. What is gamma radiation
3. process where an atom become charged

6. measurement of radioactivity

7. reading from a Geiger counter.
8. When a radioactive source is in an object
10. subatomic particle with zero mass
11. radioactive nuclei are...
12. Bohr proposed this model of the atom.