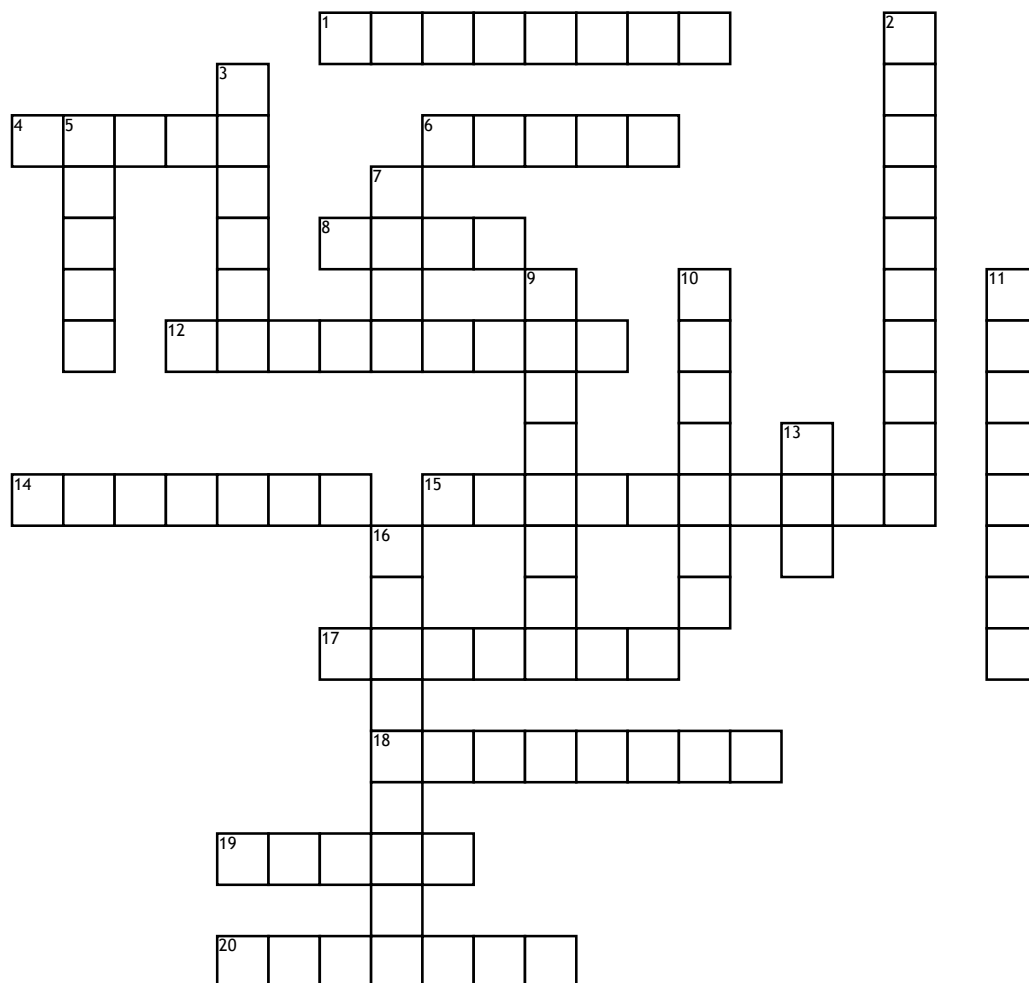


Name: _____

Date: _____

Atoms and Radioactivity



Across

1. negatively charged particle
4. stops alpha particles
6. part of the electromagnetic spectrum
8. material that stops virtually all radiation
12. overall charge of an atom
14. a form of an element with different numbers of neutrons
15. named the nucleus

17. the centre of an atom
 18. alpha particles knock electrons off atoms
 19. electrons travel around the nucleus
 20. famous for his plum pudding model of the atom
- ## Down
2. radiation that is always there, mostly from the cosmos
 3. positive particle found in the nucleus

5. positively charged radioactive particle
7. negatively charged radioactive particle
9. the charge of an ion with more electrons than protons
10. uncharged particle found in the nucleus
11. charge of a nucleus
13. charged atom
16. stops beta particles

Word Bank

isotope	proton	alpha	paper	background
neutron	ionising	thomson	aluminium	nucleus
lead	electron	ion	positive	gamma
beta	orbit	rutherford	uncharged	negative