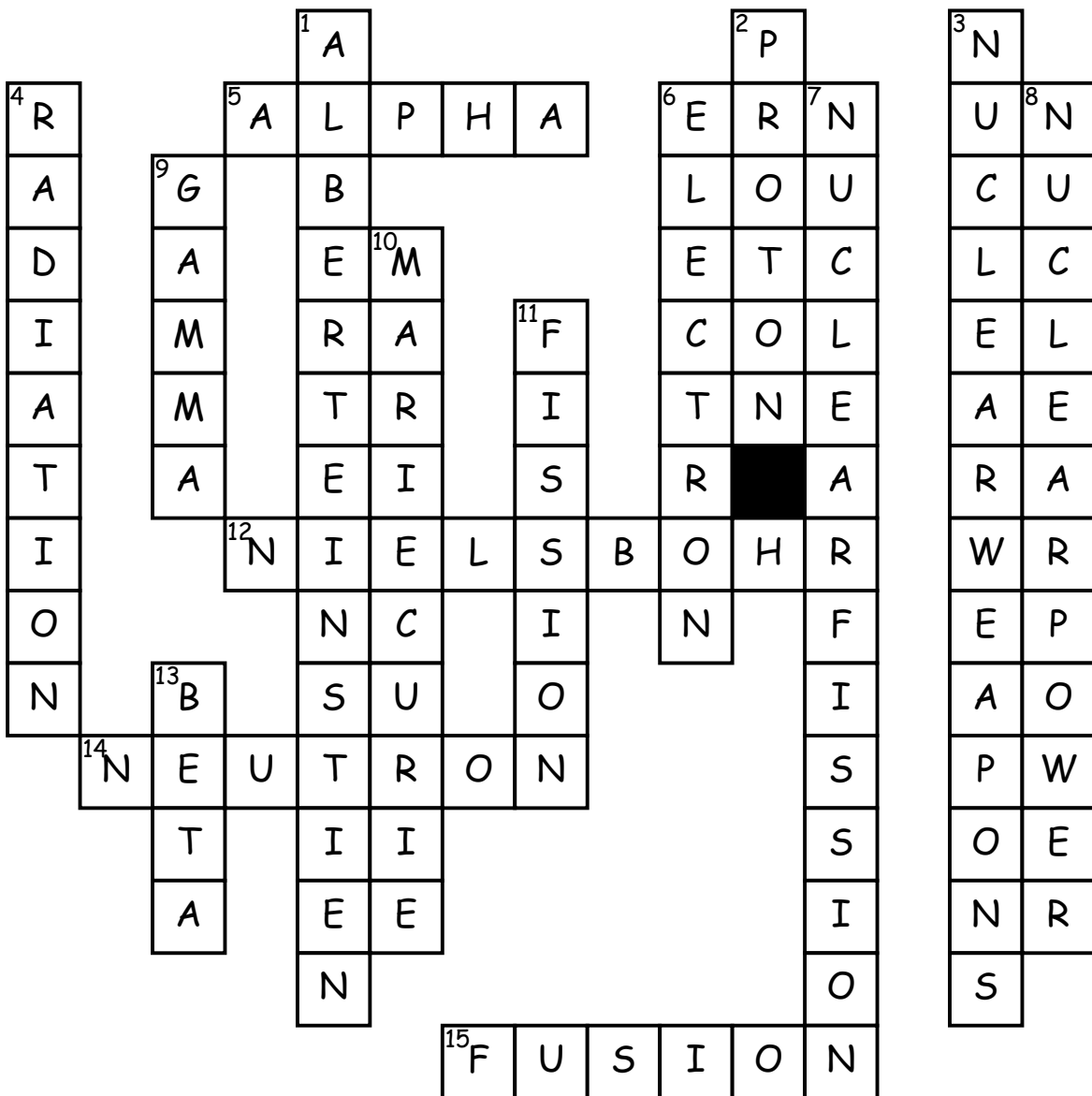


Period:

# Radioactivity



**Across**

5. The emission of an Alpha particle from the nucleus of an atom
12. who proposed the Bohr model in 1913
14. A particle of an atom with no charge
15. the act of joining two or more things together

**Down**

1. Who created  $E=mc^2$  which is mentioned in the atomic bomb
2. A particle of an atom with a positive charge
3. a device that gets its destructive force from nuclear reactions
4. the process of emitting radiant energy in the form of waves or particles
6. A particle of an atom with a negative charge

7. splitting a nucleus
8. the use of nuclear reactions that release nuclear energy to create heat
9. The emission of a high-energy wave from the nucleus of an atom
10. Who was the first woman to win the Nobel Prize
11. The action of splitting something in two or more parts
13. The emission of a beta particle from the nucleus of an atom