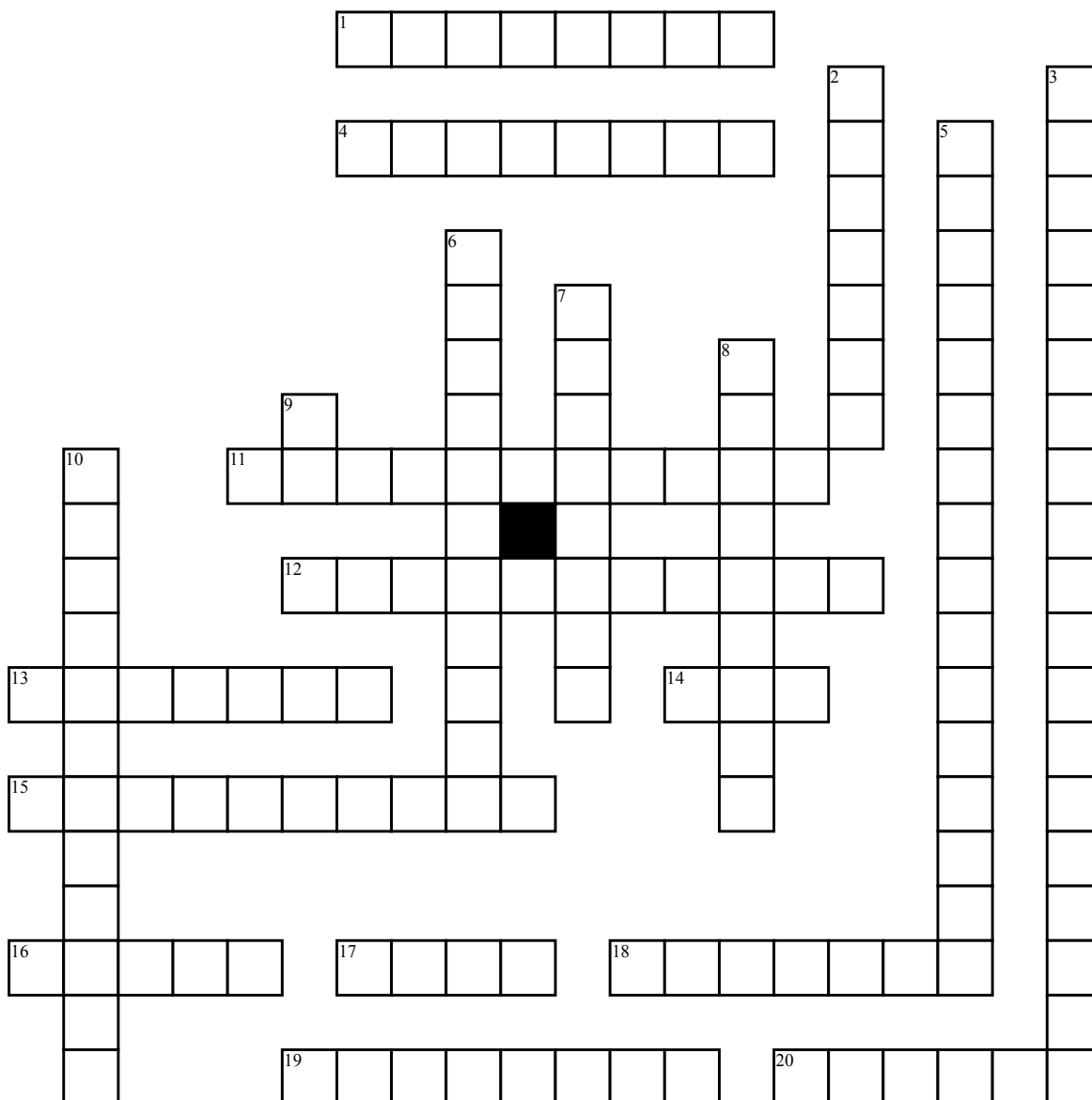


Periodic Table



Across

1. isotopes are atoms with the same number protons, but a different number of _____
4. A proton has a _____ charge
11. What family of elements is most stable?
12. Every member of the _____ family has one valence electron
13. What is the farthest out electron ring called?
14. Noble Gasses are very/kinda/not reactive
15. The number of protons and neutrons is the _____

16. Characteristics repeat every _____ elements

17. Alkali metals are very/kind/not reactive.

18. What are the horizontal columns on the Periodic Table called?

19. In beta radiation a neutron converts into a proton and emits a(n) _____

20. What are the vertical columns on the Periodic Table called?

Down

2. Group two is what family?

3. What family has two electrons in their valence shell?

5. What family contains the most elements?

6. What family has a complete valence shell?

7. An electron has a _____ charge

8. The periodicity of elements is a function of _____

9. A neutron has _____ charge

10. When Thorium emits a beta particle what element is formed?