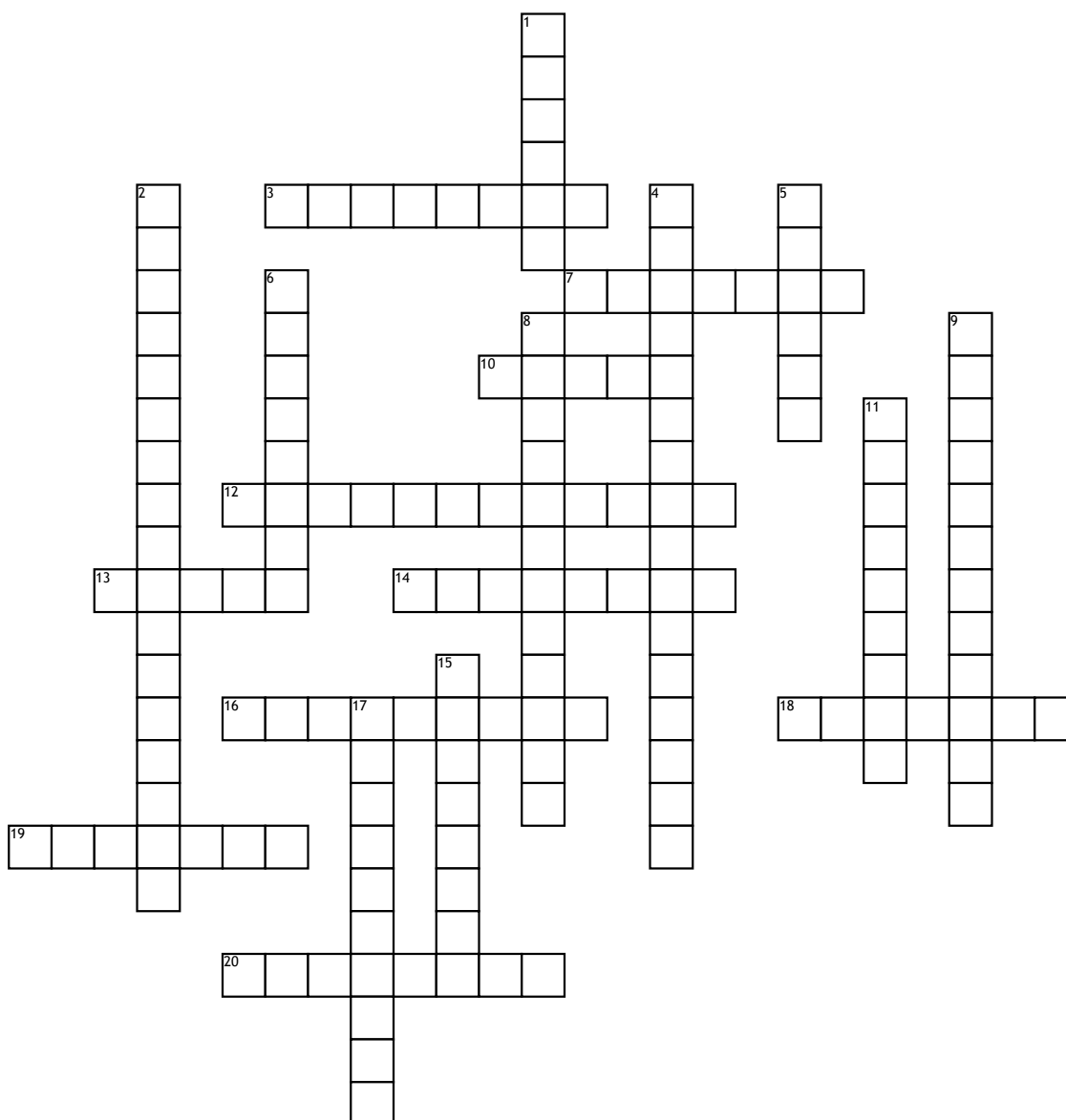


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Elements and the periodic table



## Across

3. the first element on the periodic table

7. The 14th element on the periodic table

10. What lithium and helium make when combined

12. The number of protons in the nucleus

13. A material that has shininess, conductivity, magnetism, malleability, and ductility

14. Atoms with the same number of protons, but different number of neutrons

16. An element intermediate in properties of a metal and non metal

18. What hydrogen and helium would make, if combined

19. A particle with no charge

20. Made up of atoms, and defined the number of protons in the nucleus

## Down

1. the 8th element on the periodic table

2. Not discovered in nature, but artificially produced isotopes

4. Electrons in the outermost shell of an atom that are used for chemical bonds

5. A particle with a positive charge

6. An element that lacks the characteristics of a metal

8. Ability to transfer heat or electricity

9. Ability to be hammered into shapes

11. Ability to be pulled into wires

15. A particle with a negative charge

17. The number of protons and neutrons in an atom