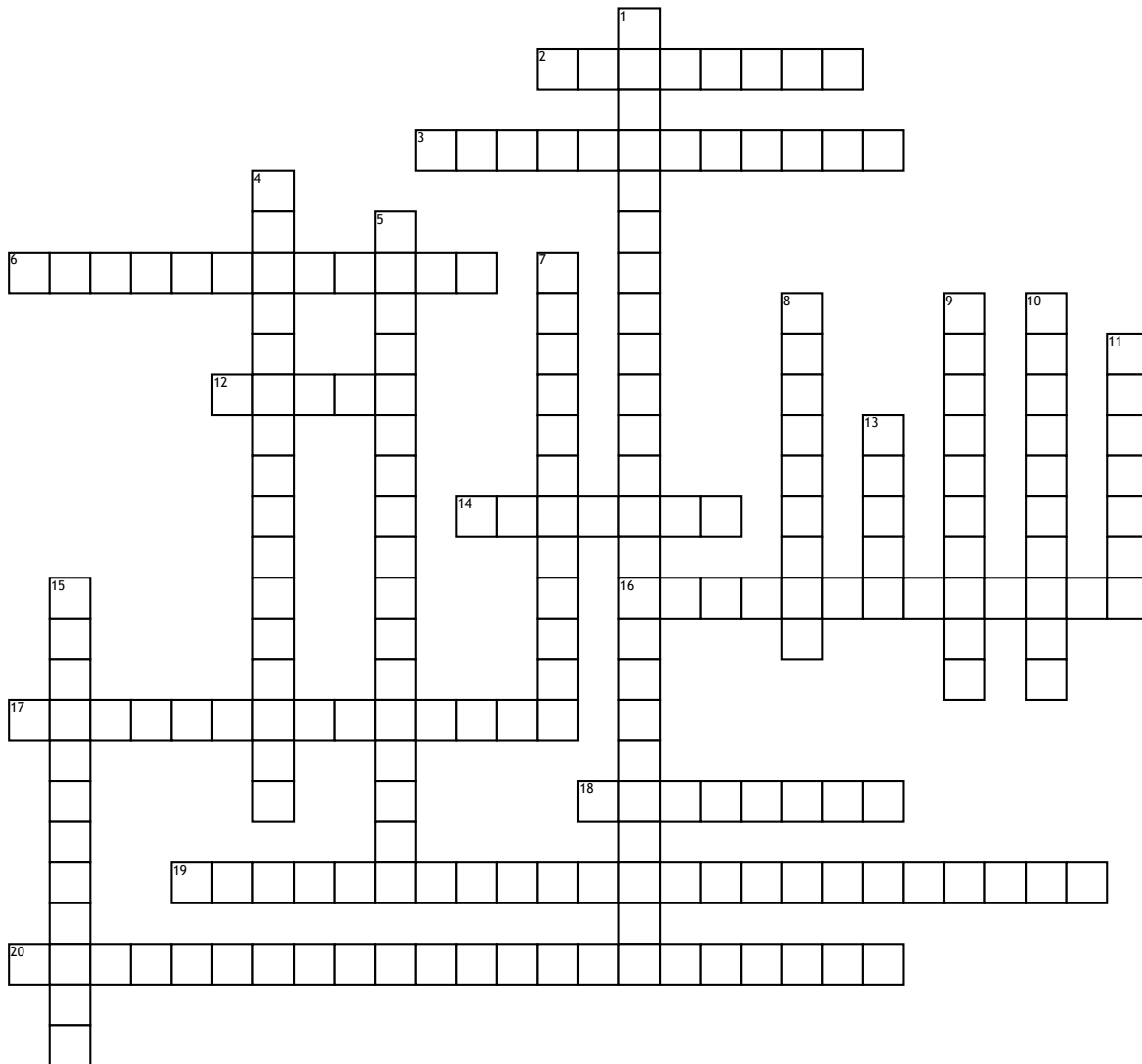


unit 3 & 4 blue frosting



Across

2. the sharing of electrons between two atoms

3. the number of protons

6. represents a period or row on the periodic table

12. a non metal element or polyatomic ions bonded to hydrogen

14. an amount of energy that an electron needs to gain or lose to move to the next energy level

16. chemical bond in which two atoms share a pair of valence electrons

17. taking the charge of an ion made of one or more atoms that are covalently bonded and that act as a unit

18. the time required for half the atoms in a radioactive nuclide to decay

19. an atomic orbital may have up to 2 electrons then its full

20. weakest intermolecular force

Down

1. forms up energy that exhibits wave-light characteristics as it travels through space

4. the electrons in the outer most electron shell

5. a way to visualize the valence electrons in an atoms structure

7. special compound that rises when multiple carbon and hydrogen atoms bond together

8. when you degenerate orbitals, you fill them all half way first then you start pairing up the electrons

9. the number of protons and neutrons added together

10. bond formed by the attraction between oppositely charged ions

11. positive and loses electrons

13. negative and gains electrons

15. act at short range between nearby molecules