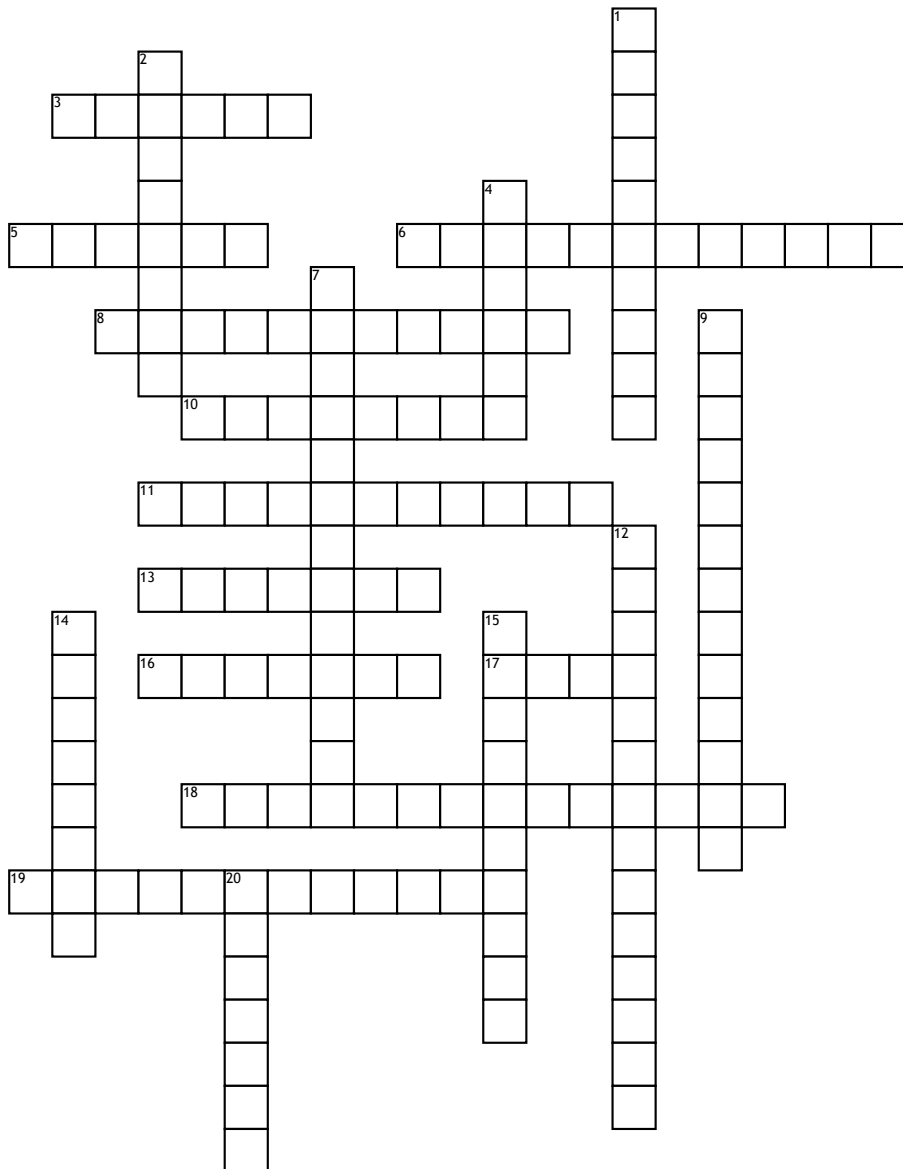


Name: _____

Date: _____

physical science



Across

3. Amount of space an object takes up
 5. A positively charged particle in the nucleus of an atom
 6. Number of protons in the nucleus of an atom
 8. Substance that appears to be the same throughout
 10. Combination of atoms formed by a covalent bond
 11. Vaporization that takes place at the surface of a liquid
 13. The center of an atom
 16. Substance that does the dissolving in the solution

17. The smallest part of an element that has all the properties of an element
 18. Process by which a substance changes phase
 19. Change of a gas to a liquid
Down
 1. Weighted average of the mass numbers of an element's naturally occurring isotopes
 2. A negatively charged particle found in an area outside the nucleus of an atom
 4. Substance that is dissolved in a solution

7. Substance that does not appear to be the same throughout
 9. Energy of motion
 12. Process by which a substance becomes a new and different substance
 14. Homogeneous mixture of a few substances in a single physical state
 15. distance between two consecutive similar points on a wave
 20. A neutral particle in the nucleus of an atom