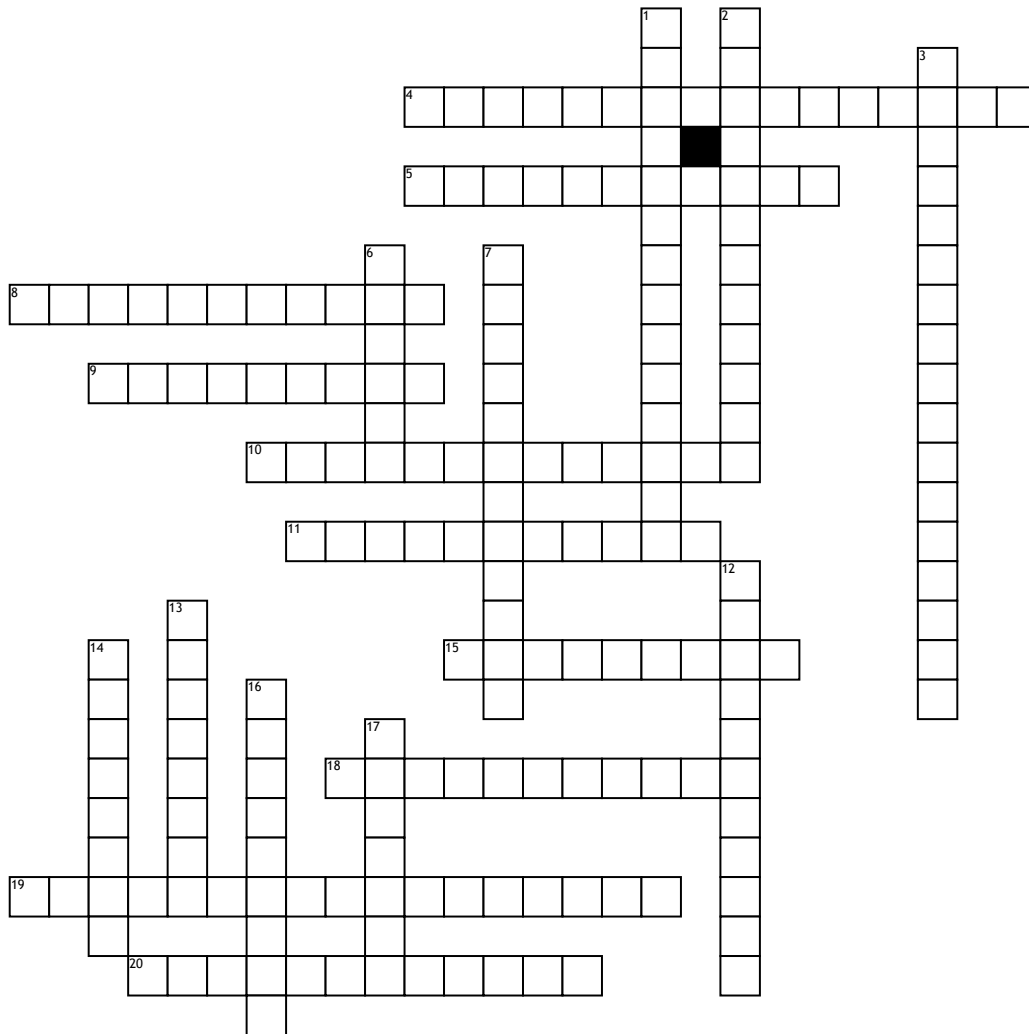


Name: \_\_\_\_\_

# Changes of State



## Across

- 4. When energy is REMOVED from a substance and it changes state
- 5. Changing from liquid to gas
- 8. Changing from solid to gas
- 9. Solid where particles have no special arrangement or pattern
- 10. The temperature at which a substance changes state from liquid to solid
- 11. Solid with rows of repeating patterns of particles

- 15. The gas law where increased pressure causes a decrease in volume
- 18. The measure of how fast the particles in a substance are moving
- 19. The temperature at which a gas becomes a liquid
- 20. The temperature at which a substance changes state from solid to liquid

## Down

- 1. a force acting on the particles at the surface of a liquid
- 2. The temperature at which a liquid boils

- 3. When energy is ADDED to a substance and it changes state
- 6. The amount of space that an object takes up
- 7. Changing from gas to liquid
- 12. The gas law where decreasing the temperature will cause the volume to decrease
- 13. The amount of force exerted on a given area of surface
- 14. Changing from liquid to solid
- 16. A liquid's resistance to flow
- 17. Changing from solid to liquid

## Word Bank

exothermic change  
evaporation  
pressure  
sublimation  
freezing point

crystalline  
amorphous  
temperature  
volume  
condensation

boiling point  
melting point  
melting  
endothermic change  
condensation point

Boyle's Law  
Charles's Law  
viscosity  
surface tension  
freezing