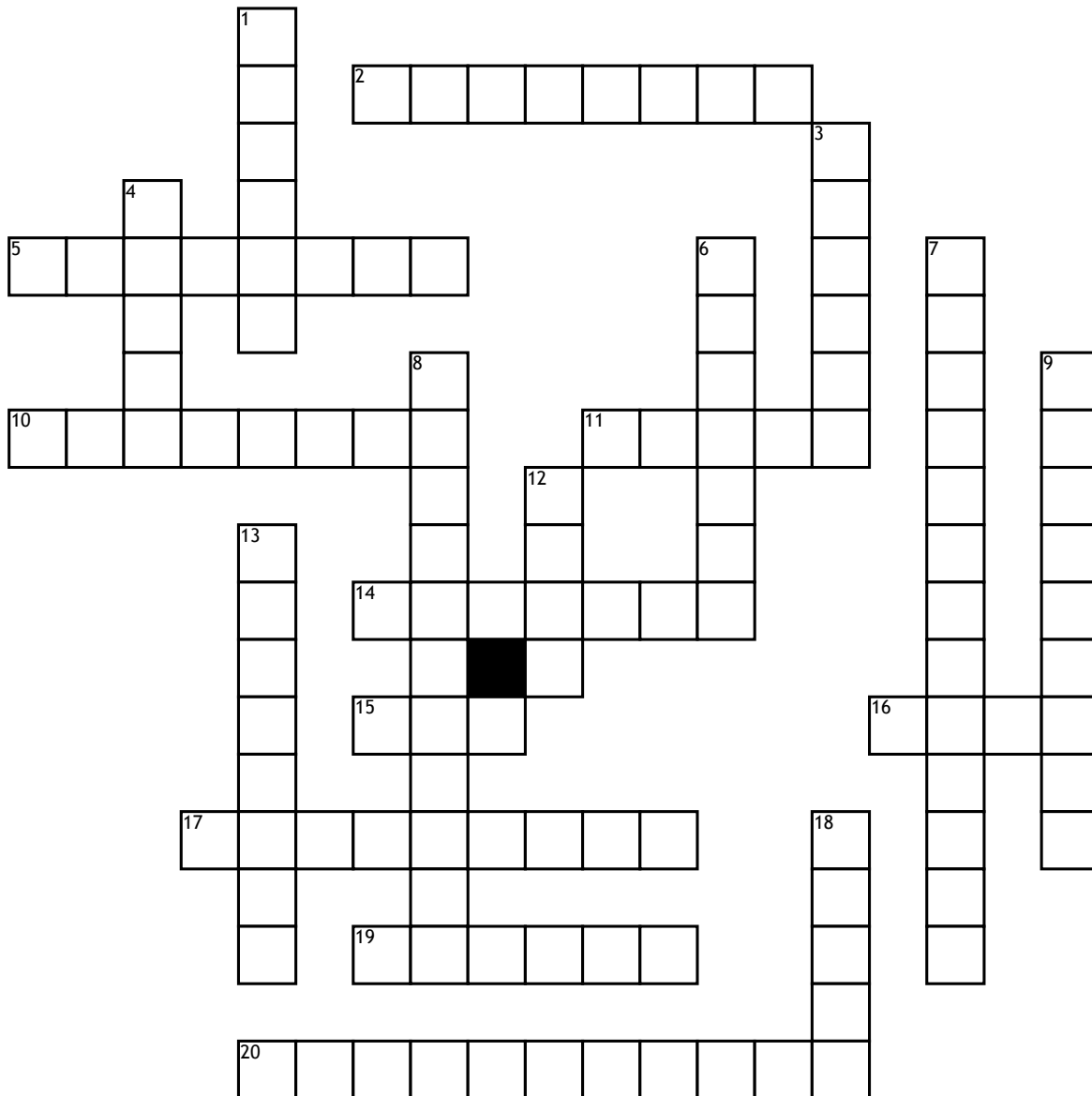


Gas



Across

2. smallest particle in a chemical element
 5. scientist who provided explanation on how the amount of gas affects its volume
 10. force applied perpendicular to the surface of an object per unit area
 11. mass(kg) X acceleration due to gravity
 14. temperature scale is a common System Internationale (SI)
 15. a generalized rule to explain a body of observations in the form of a verbal or mathematical statement
 16. unit of amount in chemistry

17. scientist who credited with the determination of temperature and pressure relationship
 19. basic unit for measuring temperature in the International System (SI)
 20. A device used to measure the temperature of gaseous, liquid or solid matter

Down

1. unit of pressure in SI unit
 3. the amount of space occupied by a three-dimensional figure as measured in cubic units
 4. scientist that stated the relationship between volume and pressure

6. scientist that determined the relationship between volume and temperature
 7. colorless, odorless gas found in our atmosphere. Its chemical formula is CO₂, which means it is one carbon atom bonded to two oxygen atoms
 8. measure of the hotness or coldness of the environment
 9. related by inverse variation
 12. measure of the amount of matter in an object
 13. quantity that is unknown but assumed to have a fixed value in a specified mathematical context
 18. unit of volume in Metric Unit (L)