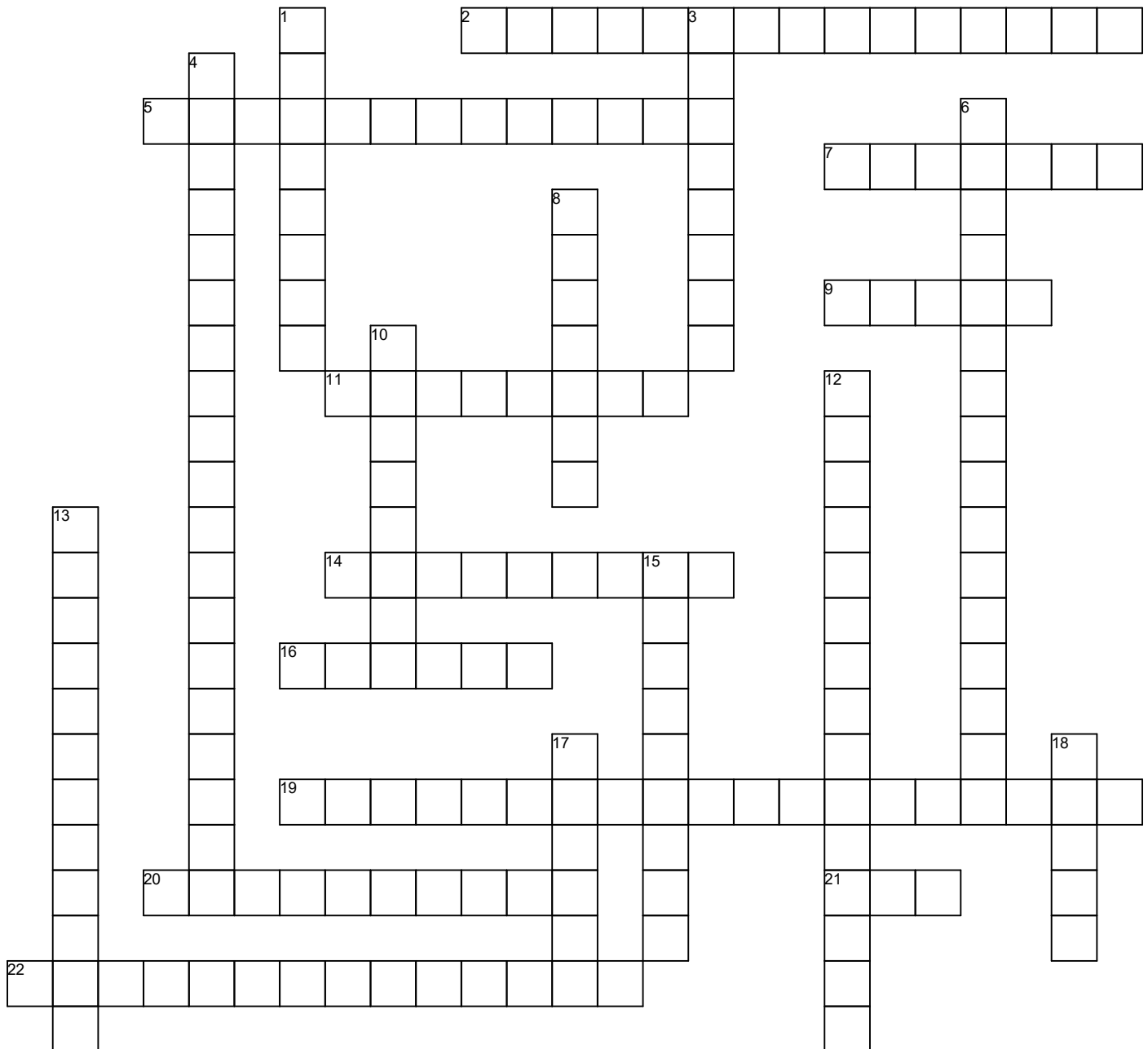


# 7th Grade Science Vocabulary Review Crossword Puzzle 5

1. Using the Across and Down clues, write the correct words in the numbered grid below.



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## ACROSS

2. States that objects at rest remain at rest, and objects in motion remain in motion with the same velocity, unless acted on by an unbalanced force.
5. Shows family relationships including two or more generations.
7. The resistance of an object to a change in the speed or the direction of its motion.
9. A gas molecule that consists of three oxygen atoms.
11. Speed in a given direction.
14. Energy that travels across distances as certain types of waves.
16. Green algae that form communities of multicellular spheres; moves by "waves"; mostly asexual reproduction; makes food from sunlight; supplies oxygen to the atmosphere.
19. A process in which cells use oxygen to release energy stored in sugars.
20. Coldest layer; meteors burn up here.
21. The genetic material found in all living cells that contains the information needed for an organism to grow, maintain itself, and reproduce.
22. One of the basic machines on which all other mechanical machines are based.

budding  
volvox  
mesosphere  
mitochondria  
radiation  
offspring  
force  
velocity

Newton's first law  
gamete  
ozone  
Newton's third law  
greenhouse effect  
inertia  
simple machines

## DOWN

1. A force that resists the motion between two surfaces in contact.
3. A colorless, odorless, tasteless gas; 78% of atmosphere.
4. The number of times a machine multiplies the input force; output force divided by input force.
6. The process by which certain gases in a planet's atmosphere absorb and emit infrared radiation, resulting in an increase in surface temperature.
8. Formation of an outgrowth from an organism that is capable of developing into a new individual.
10. Protective outer covering outside of the cell membrane; plant cells only.
12. States that every time one object exerts a force on another object, the second object exerts a force that is equal in size and opposite in direction back on the first object.
13. Produces most of the cell's energy; cellular respiration occurs here. "Powerhouse of the Cell."
15. The new organisms produced by one or two parent organisms.
17. A sperm or egg cell containing half the usual number of chromosomes of an organism; found in the reproductive organs of a plant or animal.
18. A push or pull; something that changes the motion of an object.

cellular respiration  
friction  
pedigree chart  
DNA  
cell wall  
mechanical advantage  
nitrogen