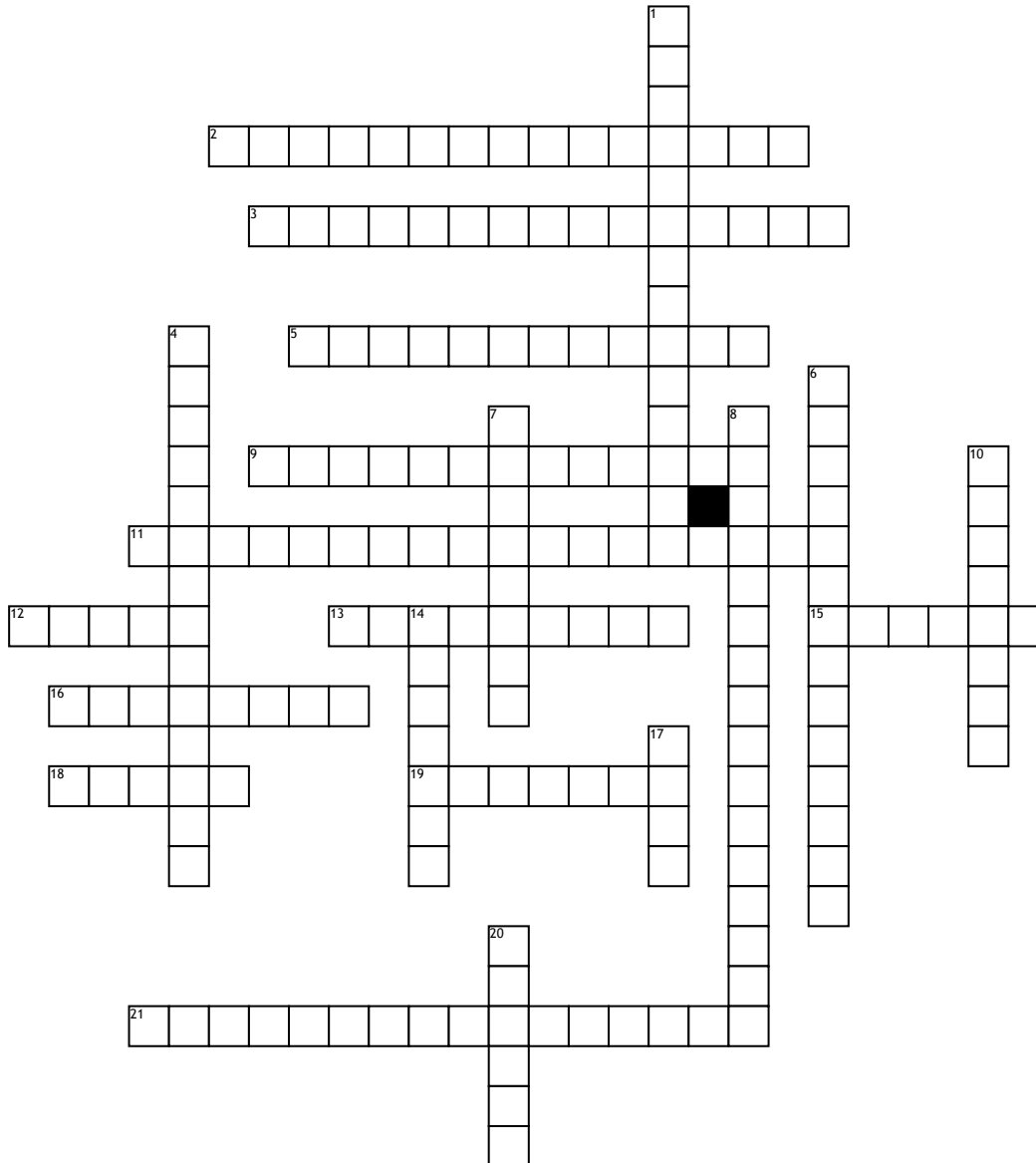


# Module 1 Vocabulary



## Across

2. Occurs when two solid surfaces slide over each other  
 3. Occurs when an object rolls across a surface  
 5. When an object changes position over time relative to a reference point  
 9. Occurs when a solid object moves through a fluid  
 11. A pair of forces that act on an object equally and in opposite directions  
 12. A change in distance over an interval of time

13. The strength of amount of something

15. the unit of force  
 16. The speed of an object in a particular direction  
 18. A push or a pull  
 19. Resistance to change in motion  
 21. Pictures that scientists use to show the direction and magnitude of all of the forces acting on an object or person

## Down

1. Acts between objects that aren't moving  
 4. Forces that "cancel each other out"

6. The object that appears to stay in place

7. The force that two surfaces exert on each other when they rub against each other  
 8. Forces with different magnitudes acting on the same object  
 10. The sum of all the forces on an object  
 14. A force that pulls objects toward each other  
 17. A measure of the amount of matter in an object  
 20. A measure of the force of gravity on an object