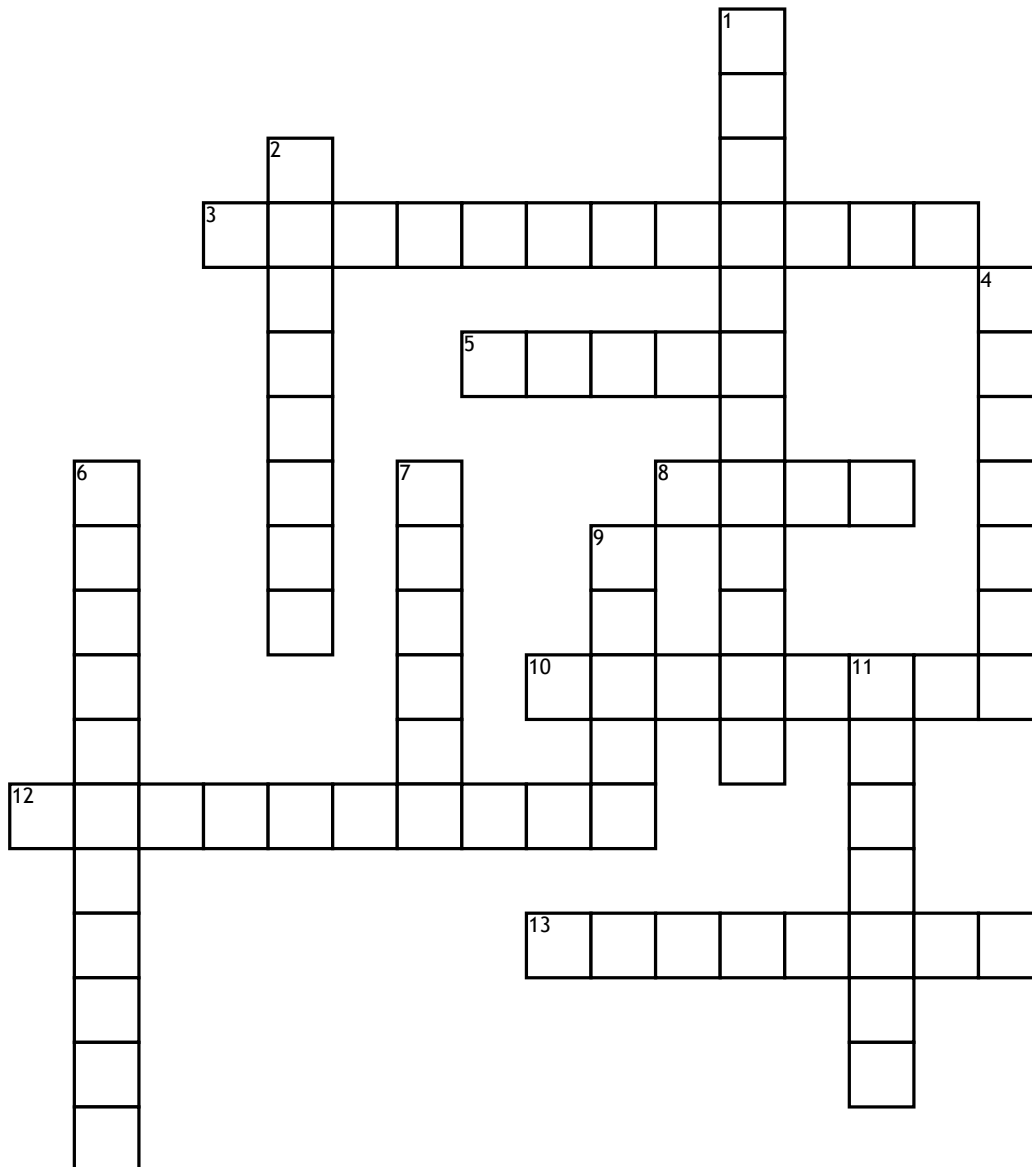


# Force and Motion



**Across**

3. affects moving and non-moving objects (3 words)

5. what is a push or pull on an object?

8. a large body of matter with no definite shape

10. the speed of something in the given direction

12. change in an objects speed or direction

13. the sum of all forces acting on an object (2 words)

**Down**

1. the rate of change of velocity per unit of time

2. no change in an objects speed or direction

4. the force that attracts an object

6. moving an object that holds the same speed (2 words)

7. the SI unit of force  
9. the rate of which someone or something is being able to move or operate

11. a property of matter that continues existing