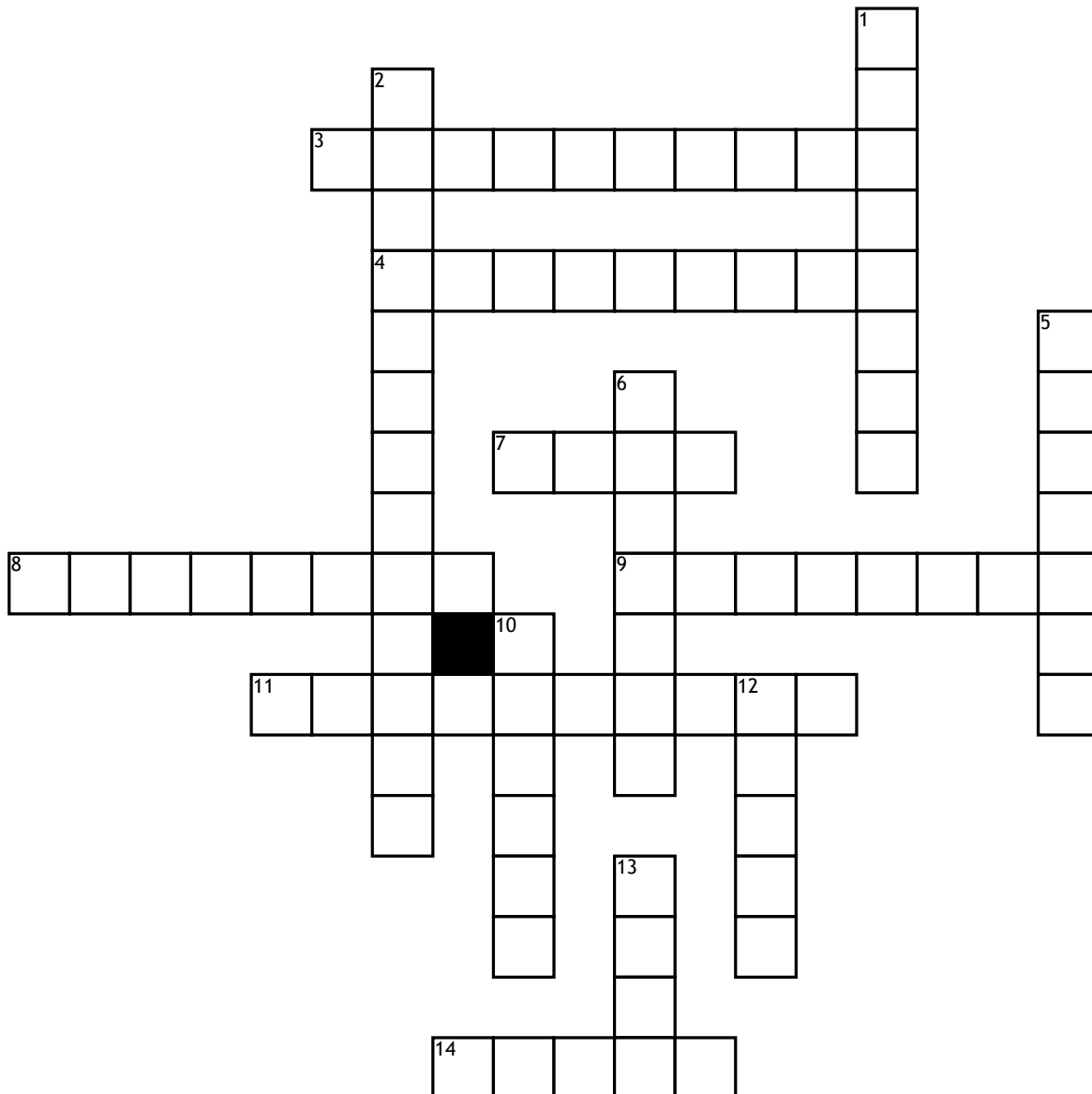


Projectile motion Concept:



Across

3. Which velocity of a projectile is always constant?

4. The path of the projectile is -----in nature.

7. At the top of the trajectory the vertical velocity is-----

8. Vertical acceleration is ----- and horizontal acceleration is zero.

9. Height attained by the Projectile is dependent on the -----component of velocity

11. -----of a projectile is symmetrical about its peak.

14. Time of flight or hang time of the projectile is 6 seconds. What is the time taken in seconds to attain the maximum height?

Down

1. For a freely falling object the -----changes with time.

2. ----- angles have the same range

5. If the horizontal velocity of a projectile is changed from 2m/s to 4m/s, what will happen to the range?

6. The only force acting on a Projectile is -----

10. Time in air determines the ----- of a projectile

12. Projectile launched at 45 degree angle will have maximum -----

13. A projectile takes 2.5 secs to reach the parabolic peak. What is the total time in seconds it spends in air?