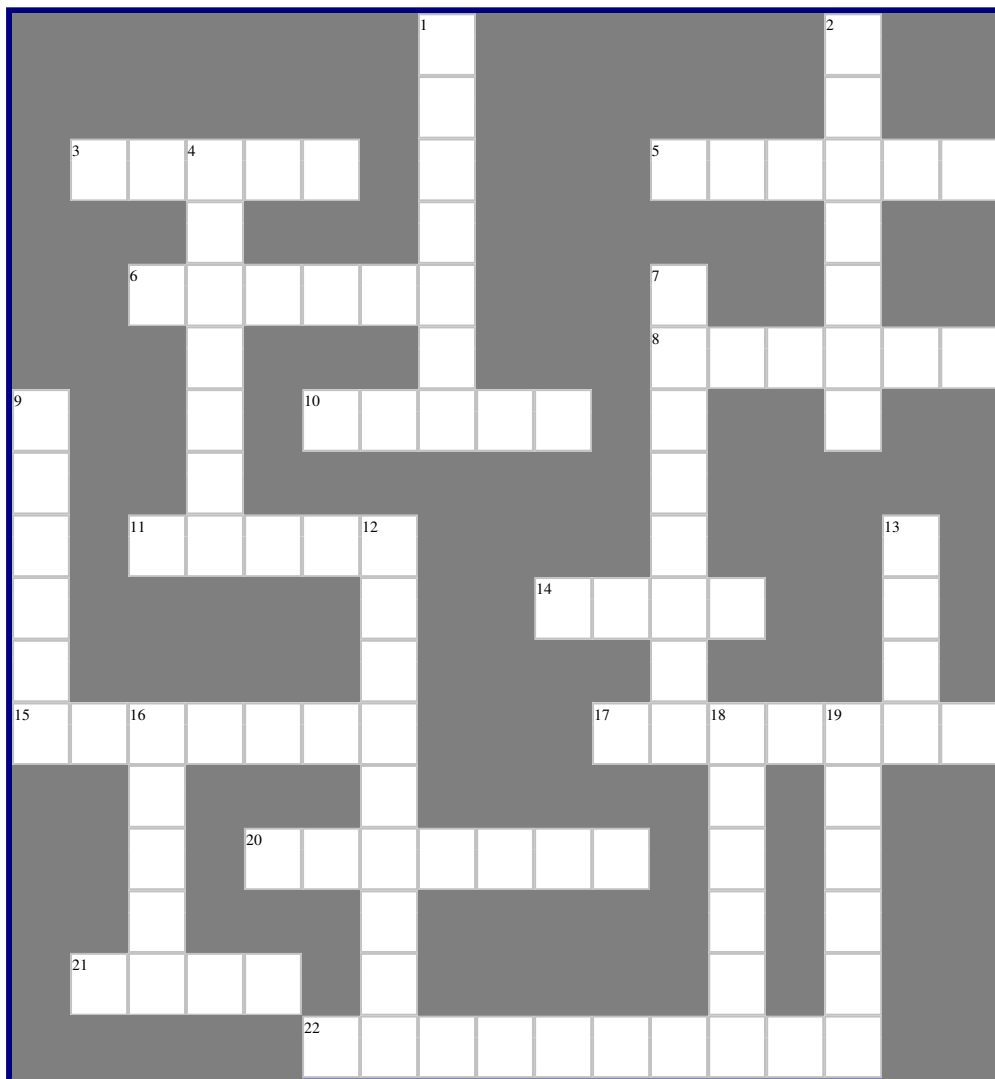


# 9J - Gravity



## Across

3. The path that an object travels on through space (5)
4. A collection of many stars (6)
6. An object in space that orbits a star (6)
8. The SI unit of force (6)
10. The third planet from the Sun (5)
11. The second planet from the Sun (5)
14. The fourth planet from the Sun (4)
15. The eighth planet from the Sun (7)
17. The closest planet to the Sun (7)
20. When a satellite blocks light from a star (7)
21. The Earth's natural satellite (4)
22. When the gravitational forces on an object in space are balanced (10)

## Down

1. The fifth planet from the Sun (7)
2. The force acting on an object due to its mass (7)
4. When two forces on an object are equal in size but opposite in direction (7)
7. Everything that exists anywhere (8)
9. The sixth planet from the Sun has a distinct ring system (6)
12. An object in space that orbits a planet (9)
13. An object in space that emits light (4)
16. The ninth planet from the Sun (5)
18. To spin on an axis (6)
19. The seventh planet from the Sun (6)