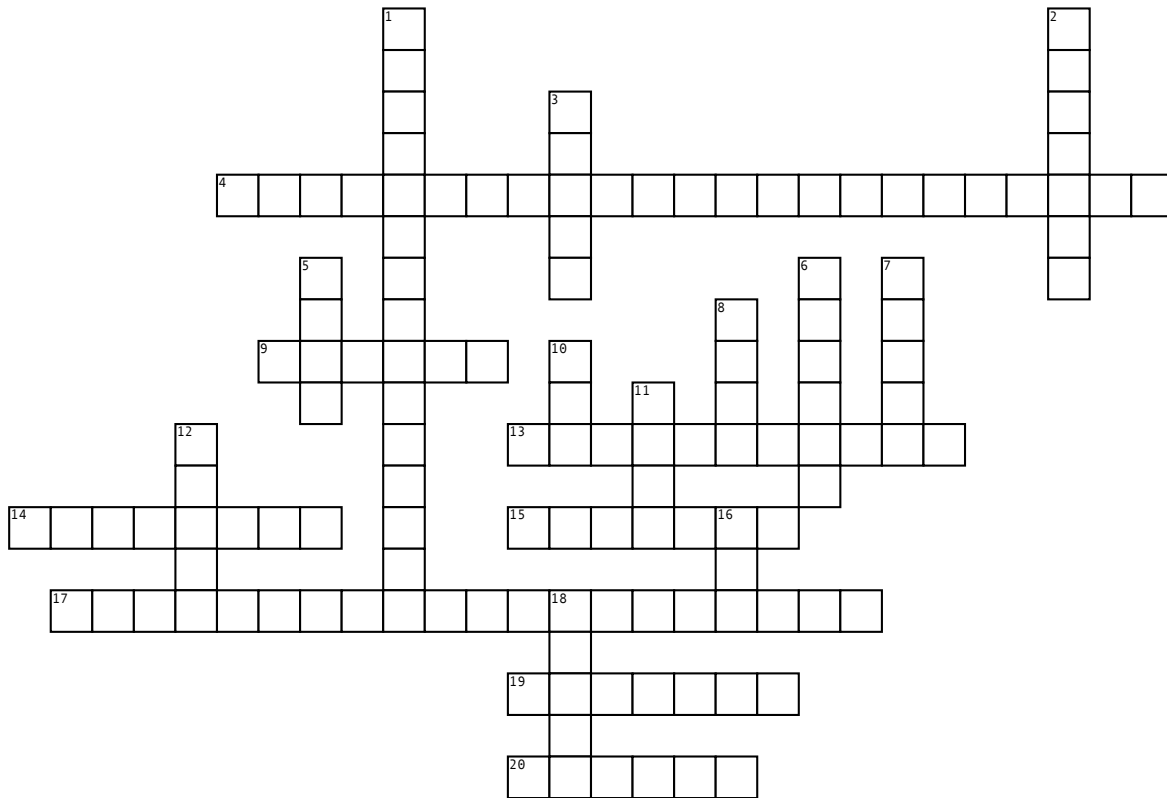


# Gravity Crossword Puzzle



**Across**

- 4. Newton's third law
- 9. Gravity keeps us on Earth instead of us \_\_\_\_\_ away into space
- 13. The sun is the most massive object in our \_\_\_\_\_ and exerts a huge gravitational force
- 14. Gravity is affected by the \_\_\_\_\_ and mass of the objects
- 15. Gravity is a \_\_\_\_\_ force
- 17. Newton's second law
- 19. it pulls objects to the earth's core

20. \_\_\_\_\_ is the result of gravity pulling on the object

**Down**

- 1. Newton's first law
- 2. We only feel the effects if we are trying to overcome it by \_\_\_\_\_ or if we fall
- 3. We measure mass in \_\_\_\_\_
- 5. We don't actually \_\_\_\_\_ gravity
- 6. The rate of a free falling object
- 7. A push or pull

- 8. \_\_\_\_\_ is the "stuff" that matter is made of
- 10. Gravity is a force of attraction between \_\_\_\_\_ objects
- 11. Objects \_\_\_\_\_ because of gravity
- 12. Gravitational force is \_\_\_\_\_ between objects that have small masses
- 16. The mass of an object is \_\_\_\_\_ dependent on gravity
- 18. Gravitational force is \_\_\_\_\_ when the masses of the objects is larger