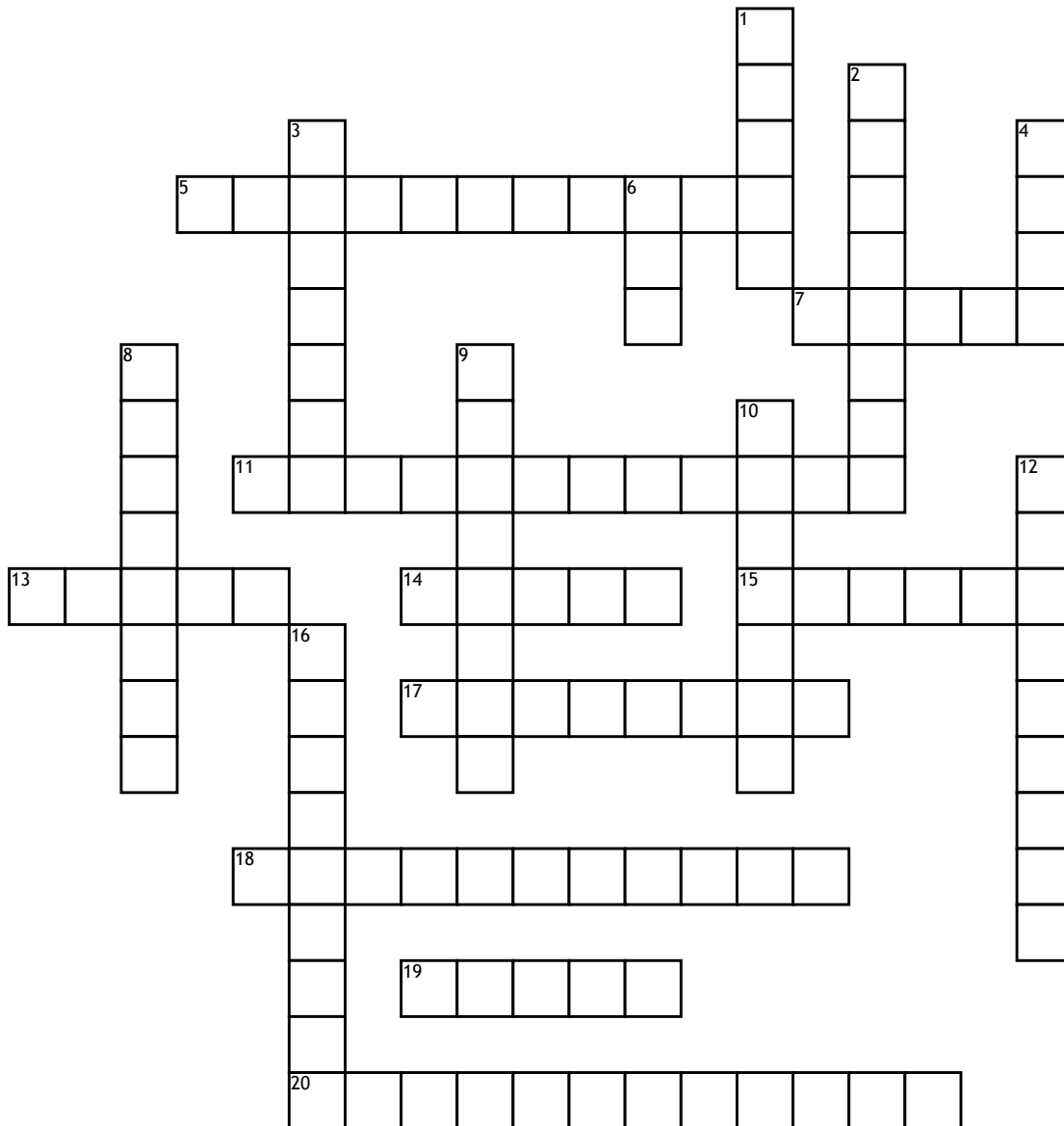


# Dr. Octopus Physics Concepts



## Across

5. When the net torques equal zero, you've reached rotational \_\_\_\_\_.

7. A stream of particles that can be stopped by a piece of paper

11. An Attractive Nuclear Force.

13. When you unlock a door, you use torque \_\_\_\_\_ times.

14. What most people mistake torque as \_\_\_\_\_.

15. A turning force around an axis of rotation

17. The superglue the keeps the nucleus together.

18. When an atom can release a particle, and become the nucleus of a different element, then the atom is \_\_\_\_\_.

19. Massless energy created from photons

20. Torque is expressed in units called \_\_\_\_\_.

## Down

1. A basic unit of matter

2. When talking about radioactive material, the time needed for half of the radioactive atoms to decay is called \_\_\_\_\_.

3. Holds all of the atoms particles

4. A stream of electrons, where electrons can be kicked out of the nucleus.

6. What is an electrically charged atom?

8. The perpendicular distance of force from the axis of rotation.

9. Different versions of the same element.

10. This particle holds electrons inside its orbits.

12. This particle has a negative electric charge

16. When energy is released as subatomic particles, and ionization is created.