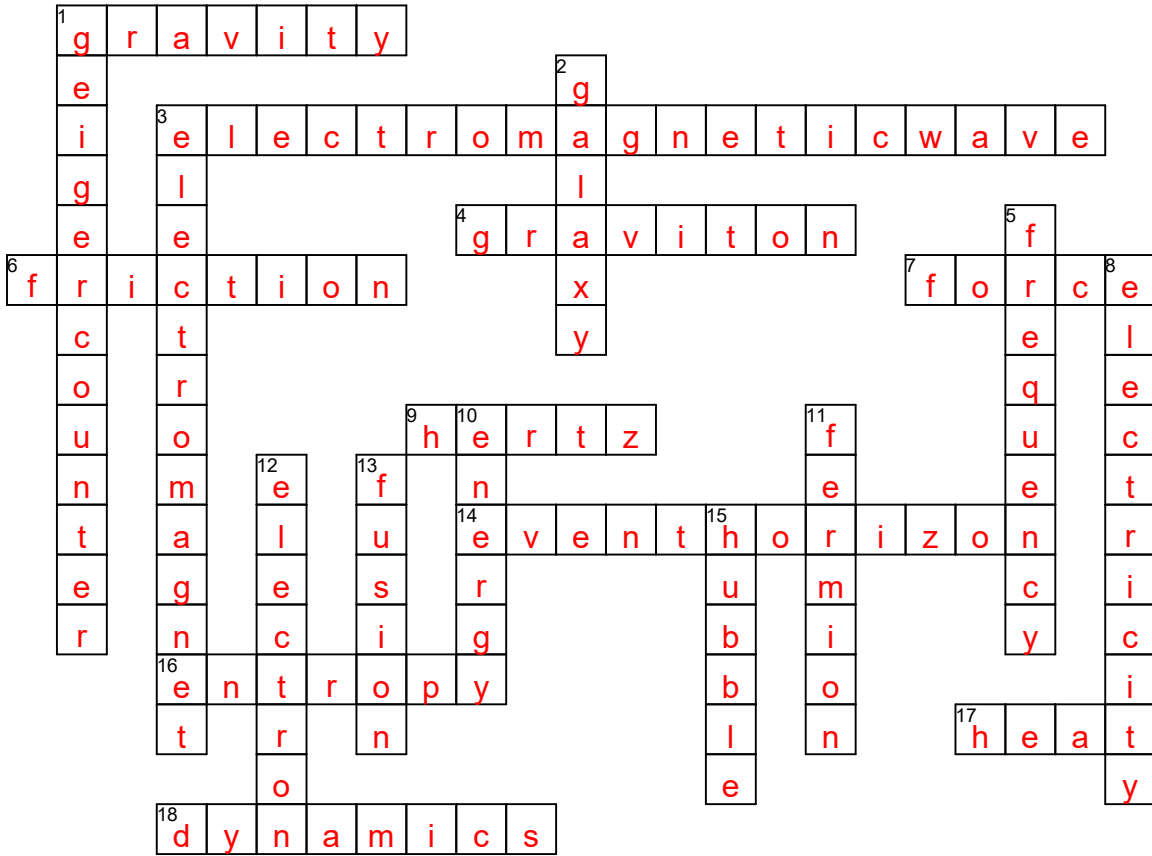


# Physics Terms Crossword Puzzle 2-4

1. Using the Across and Down clues, write the correct answer in the numbered grid below.



## ACROSS

1. The force that attracts a body towards the center of the Earth.
3. A wave of electric and magnetic fields that propagates through space.
4. A hypothetical quantum of gravitational energy.
6. The resistance to motion of one object moving relative to another.
7. An interaction that causes an object to change motion.
9. The unit of frequency, equal to one cycle per second.
14. The boundary of a black hole beyond which no radiation or matter can escape.
16. A measure of disorder in a system.
17. The transfer of thermal energy.
18. The study of the forces and motion of objects.

## DOWN

1. A device for measuring radioactivity.
2. A system of millions or billions of stars.
3. A type of magnet in which the magnetic field is produced by an electric current.
5. The number of cycles per unit time.
8. The set of physical phenomena associated with the presence and motion of electric charge.
10. The capacity to do work.
11. A particle, such as a proton or neutron, that follows Fermi-Dirac statistics.
12. A subatomic particle with a negative charge.
13. The process of combining two nuclei to form a heavier nucleus.
15. Scientist known for his discovery of the expansion of the universe.

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fermion

heat

frequency

electricity

galaxy

friction

fusion

dynamics

electron

Geiger counter

Hubble

event horizon

gravity

Hertz

electromagnet

energy

electromagnetic wave

entropy

graviton

force