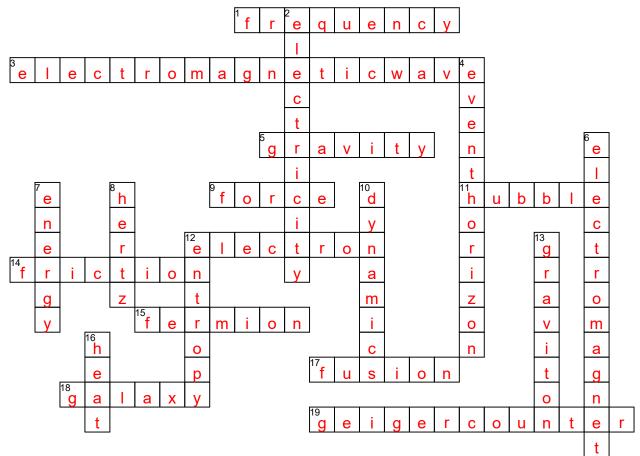
Physics Terms Crossword Puzzle 2-2

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



ACROSS

- 1. The number of cycles per unit time.
- 3. A wave of electric and magnetic fields that propagates through space.
- 5. The force that attracts a body towards the center of the Earth.
- 9. An interaction that causes an object to change motion.
- 11. Scientist known for his discovery of the expansion of the universe.
- 12. A subatomic particle with a negative charge.
- 14. The resistance to motion of one object moving relative to another.
- 15. A particle, such as a proton or neutron, that follows Fermi-Dirac statistics.
- 17. The process of combining two nuclei to form a heavier nucleus.
- 18. A system of millions or billions of stars.
- 19. A device for measuring radioactivity.

DOWN

- 2. The set of physical phenomena associated with the presence and motion of electric charge.
- 4. The boundary of a black hole beyond which no radiation or matter can escape.
- 6. A type of magnet in which the magnetic field is produced by an electric current.
- 7. The capacity to do work.
- 8. The unit of frequency, equal to one cycle per second.
- 10. The study of the forces and motion of objects.
- 12. A measure of disorder in a system.
- 13. A hypothetical quantum of gravitational energy.
- 16. The transfer of thermal energy.

fermion	electromagnetic wave	entropy
friction	frequency	dynamics
electron	electricity	Hertz
Hubble	Geiger counter	force
event horizon	gravity	graviton
galaxy	electromagnet	heat
energy	fusion	