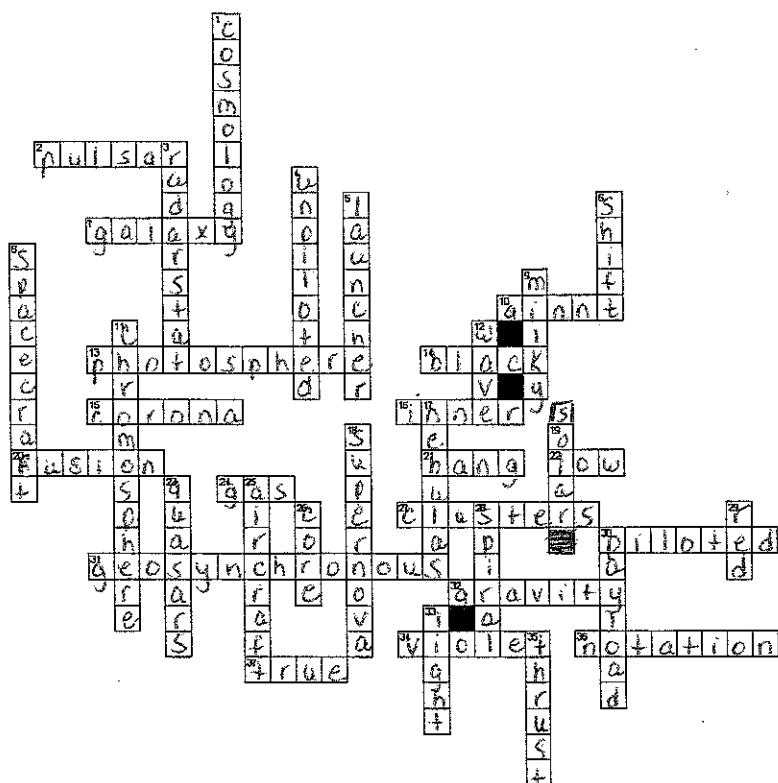


# Astronomy Review



## Across

2. A type of neutron star that emits pulses of very high-energy radio waves.
7. A huge collection of gas, dust, and hundreds of millions of stars and planets.
10. When our Sun swells up, it will become a red \_\_\_\_\_.
13. The surface of the Sun.
14. \_\_\_\_\_ holes result from a star 30 times bigger than the Sun when it dies.
15. The hot outer part of the Sun.
16. The \_\_\_\_\_ planets formed from rocks and iron that were too heavy to be blown away by the solar winds of the Sun.
- \* 20. Nuclear \_\_\_\_\_ is the process in which the Sun produces energy. Hydrogen is being converted into helium.
21. The Big \_\_\_\_\_ Theory is used to describe the beginning of the universe that we know.
22. \_\_\_\_\_ Earth orbit satellites have a range of 200km to 1000km.
24. The \_\_\_\_\_ giants are formed away from the Sun because the gases were blown away by the Sun's solar winds.
27. Star \_\_\_\_\_ are groups of stars that are fairly close and travel together.
30. \_\_\_\_\_ spacecrafts have a passenger aboard.
31. \_\_\_\_\_ orbit satellites have a very high orbit such as satellites for television.
32. a force that pulls objects toward each other.
34. This color has the shortest wavelengths.
36. Scientific \_\_\_\_\_ is a mathematical abbreviation for writing very small of very large numbers.
37. I will miss Science class this weekend.

## Down

1. The study of the origin and changes of the universe.
- \* 3. A highly successful satellite system designed, built and operated by Canadians.
4. \_\_\_\_\_ spacecrafts are run by machines.
5. The device that carries the payload into space.
6. A shift into the red end of the spectrum is called the red \_\_\_\_\_.
8. A vehicle designed to travel in the near vacuum of space.
9. Our galaxy is called the \_\_\_\_\_ Way.
11. The inner atmosphere of the Sun.
12. Light is a form of energy that travels as a \_\_\_\_\_.
17. Huge clouds of dust and gas.
18. An enormous explosion that occurs at the end of a large star's life.
- \* 19. \_\_\_\_\_ flares produce the Northern and Southern lights.