

# Astronomy- Who did what?

Name:

Date:

## Clues Across:

- 3) Gerard \_\_\_\_\_ (1905 - 1973) discovered a large number of comets beyond Pluto's orbit.
- 4) Abd al-Rahman al Sufi. Known as \_\_\_\_\_ (903 AD - 986 AD) first to observe cluster that would become known as the Andromeda Galaxy.
- 8) George \_\_\_\_\_ (1904 - 1968) discovered that solar energy comes from nuclear fusion. Founder of the Big Bang Theory.
- 9) Claudius \_\_\_\_\_ (85 -165 AD) modelled the movements of the Sun, Moon, planets and stars in an Earth-centred universe.
- 11) Jocelyn \_\_\_\_\_ ( 1943 - present) discovered the first pulsars.
- 14) \_\_\_\_\_ Galilei (1564 - 1642) Improved on the early design for the telescope. He discovered the four primary moons of Jupiter and the rings of Saturn.
- 15) Tycho \_\_\_\_\_ (1546 - 1601) built an observatory and believed that the planets orbit the Sun and the Sun orbits the Earth.
- 16) Christiaan \_\_\_\_\_ (1629 -1695) constructed the earliest theories about the nature of light. Observed the rings of Saturn and discovered its moon Titan.
- 17) Albert \_\_\_\_\_ (1879 - 1955) formulated the Theories of Relativity which revolutionized modern astrophysics.
- 19) Giovanni \_\_\_\_\_ (1625 - 1712) measured the rotation of Jupiter and Mars, discovered 14 moons of Saturn and the gap in Saturn's rings.
- 21) Charles \_\_\_\_\_ ( 1738 - 1822) observed 103 clusters including the Andromeda Galaxy, discovered 13 comets.
- 22) Fritz \_\_\_\_\_ (1898 - 1974) discovered supernovas (exploding stars) and dark matter.

## Clues Down:

- 1) Annie \_\_\_\_\_ (1863 - 1941) created the Harvard Classification Scheme to catalogue stars according to their temperatures.
- 2) Edmond \_\_\_\_\_ (1656 -1742) predicted and proved that a comet would reappear periodically.Has a comet named after him.
- 5) Clyde \_\_\_\_\_ (1906 - 1997) discovered Pluto and its moon Charon, counted 29 000 galaxies, hundreds of new stars, asteroids and 2 new comets.
- 6) Stephen \_\_\_\_\_ ( 1942 - present) proved that black holes emit radiation and eventually evaporate.
- 7) Nicolaus \_\_\_\_\_ (1473 - 1543) proposed the first model of the solar system that involved the Earth revolving around the Sun.
- 8) Johann Gottfried \_\_\_\_\_ (1812 - 1910) discovered Neptune and devised methods for calculationg planetary orbits.
- 10) Edmond \_\_\_\_\_ (1934 - 1996) determined that the universe was expanding, observed various galaxies outside the Milky Way.
- 12) Johannes \_\_\_\_\_ (1571 - 1630) developed 3 laws of planetary motion.
- 13) Sir Isaac \_\_\_\_\_ (1643 - 1727) devised 3 laws of motion of forces between objects on Earth and showed that these same laws applied to celestial bodies.
- 16) William \_\_\_\_\_ (1738 - 1832) catalogued 2500 deep sky objects, discovered Uranus and two of its moons as well as two moons of Saturn.
- 18) Karl \_\_\_\_\_ (1905 - 1950) discovered that radio waves are emanating from space, leading to the development of radio astronomy.