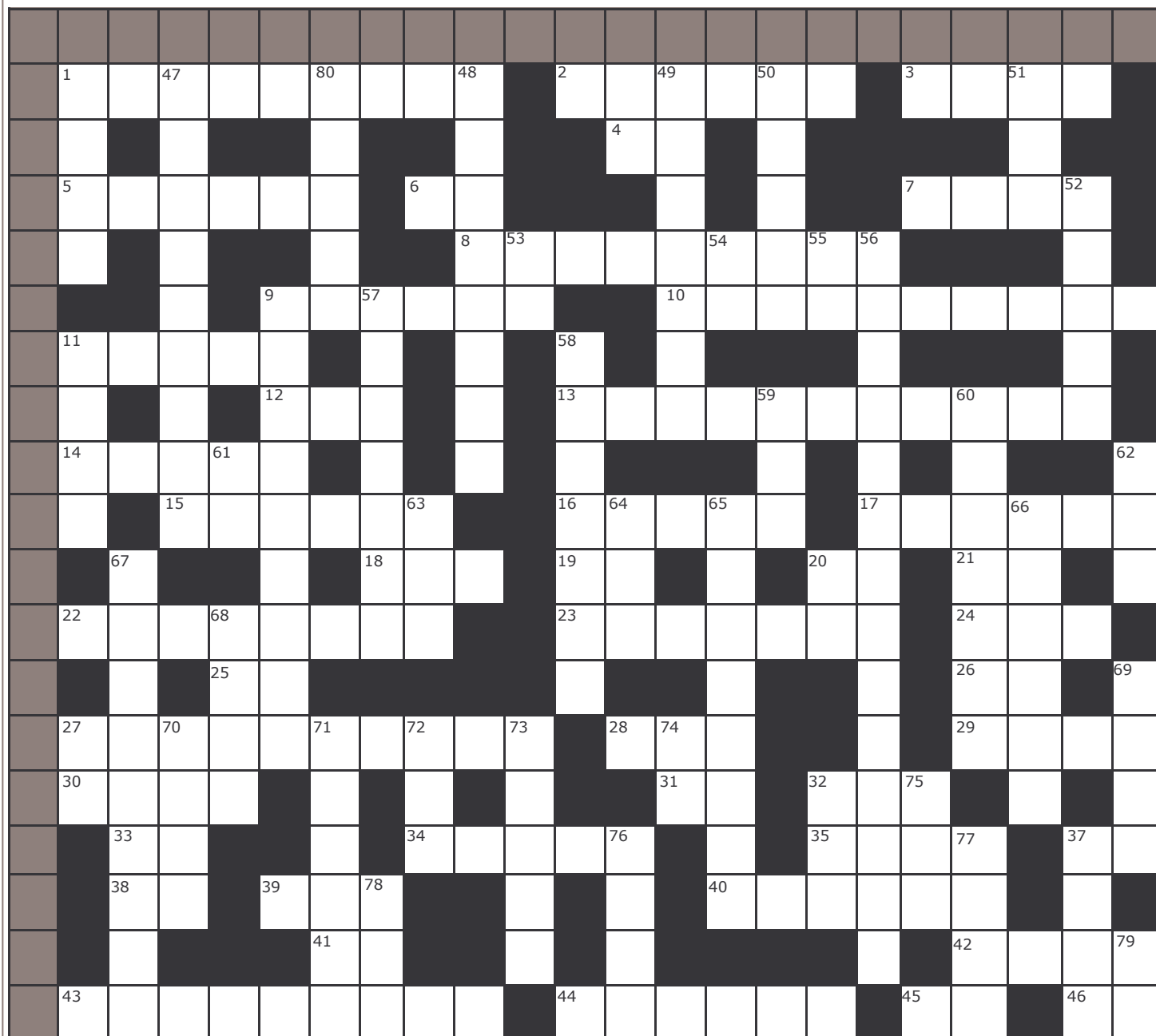


# Entertainment Corner

## Mostly Science and Astronomy Crossword Puzzle



### Across:

1. [Mythology] Ethiopian princess and daughter of Cassiopeia
2. [Astronomy] Moon's greatest distance from Earth
3. [Geography] 180 degrees from West
4. [Language] That is to say...
5. [Astronomy] Until the 1920's it was thought of as a nebula
6. [Astronomy] Star catalogue (more so a supplement) (abbreviation)
7. [Astronomy] Home to the highest mountain in the solar system
8. [Astronomy] Light collecting instrument
9. [Chemistry] Trivalent metallic element of the rare earth group
10. [Spaceflight] First woman in space
11. [Mythology] Had a serious run-in with a scorpion
12. [Astronomy] Hunting Dogs abbreviation
13. [Astronomy] Relative of quasars and blazars
14. [Language] Divert in a specified direction
15. [Chemistry] Metal with the highest electrical and thermal conductivity
16. [Astronomy] Only planet that rotates clockwise in a retrograde motion
17. [Writing] Person who determines the final content of a text
18. [Astronomy] Aldebaran's constellation (abbreviation)
19. [Chemistry] Atomic number 53 (abbreviation)
20. [Astronomy] Ray emitted by stars
21. [Geography] Opposite of north-west (abbreviation)
22. [Meteorology] Amount of water vapor in an air sample

23. [Astronomy] Zeta Cancri
24. [Astronomy] Responsible for Pluto's demotion
25. [Chemistry] A rare polyvalent metallic element of the platinum group (abbreviation)
26. [Chemistry] A radioactive transuranic metallic element (atomic number 93)
27. [Astronomy] Ecliptic longitude difference of 180°
28. [Astronomy] Known to have knocked out power stations
29. [Astronomy] English for Capricornus
30. [Chemistry] Colourless odourless gaseous element that give a red glow in a vacuum tube
31. [Physics] Ratio of signal intensity to noise intensity
32. [Astronomy] Semiconductor device used for electronic imaging
33. [Metrology] A metric unit of volume equal to one hundredth of a litre
34. [Astronomy] Brightest star in Cygnus
35. [Archaic philosophy] Once thought to be one of four elements composing the universe
36. [Compiler's note] There is no 36. Really. You can search all you want, you won't find it.
37. [Time] After midnight, before noon.
38. [Academics] Abbreviation for *University of Exeter*
39. [Time] Month in which summer solstice occurs in the southern hemisphere
40. [Astronomy] Moon of Ida
41. [Geography] Republic of Poland (abbreviation)
42. [Astronomy] Bayer letter for Rigel
43. [Astronomy] Logarithmic scale of brightness
44. [Astronomy] Planet discovered in 1781 by Sir William Herschell
45. [Chemistry] Second lightest element and second most abundant in the Universe
46. [Politics] Large organisation of nations north of Africa

### Down:

1. [Mythology] Jason's ship
9. [Astronomy] Sixth largest moon of Saturn—reflects almost 100% of sunlight hitting it.
11. [Astronomy] Dutch astronomer who proved that the galaxy is rotating. Also hypothesized debris cloud around solar system.
27. [General] In operation or operational (i.e. not off)
37. [Language] Prefix meaning "before"
47. [Astronomy] This constellation's alpha and beta stars are called Saulocin and Rotanev.
48. [Astronomy] 4th brightest star as seen with naked eye
49. [Physics] Danish physicist (1777-1851)
50. [Computing] Incorrect function
51. [Photography] Type of camera
52. [Geography] Former duchy in what is now SW France, western Switzerland, and NW Italy. Now in Rhone-Alpes region.
53. [Physics] Abbreviation for the two forces unified by Maxwell.
54. [Chemistry] A ductile grey metallic element of the lanthanide series (abbreviation)
55. [Physics] The mechanical energy that a body has by virtue of its position (abbreviation)
56. [Spaceflight] Our planet's is 11.2 km/s
57. [Astronomy] South African comet discoverer
58. [Physics] Generated by mass
59. [Mythology] Goddess of abundance and fertility; wife of Saturn.
60. [General] Moving upward
61. [Chemistry] A light strong grey lustrous corrosion-resistant metallic element, atomic nr 22 (abbreviation)
62. [Astronomy] Constellation near Telescopium and Norma
63. [Physics] Column of light
64. [Geography] The compass point midway between east and southeast (abbreviation)
65. [Spaceflight] Type of mission of the Mars Rovers launched in 2003
66. [Astronomy] Folk language for part of Sagittarius
67. [Astronomy] The Fox
68. [Astronomy] Element generated within dying stars
69. [Physics] Smallest component of an element having the chemical properties of the element itself
70. [Geography] South and North have one
71. [General] Put or introduce into something
72. [Astronomy] Constellation next to Pavo (abbreviation)
73. [Mathematics] Mostly coming next after the eighth and just before the tenth in position
74. [Spaceflight] Country who managed the Apollo program
75. [Geography] State of the surface of Mercury
76. [Physics] Danish physicist who studied atomic structure and radiations
77. [Geography] A river in central Europe that arises in northwestern Czechoslovakia
78. [Computing] Heart of computer that does data handling
79. [Astronomy] About 1 times 150 million km
80. [Administration] Head of the town [note that 80 down is at the top]

Compiled by ASSA Bloemfontein. Word Web Pro 4.51 and Wikipedia.org assisted in creating this crossword puzzle.

### Notes:

- Send your completed crossword to mail@assabfn.co.za or to PO Box 11227, Universitas, 9321 to reach the club by 1 March 2007.
- Anyone on planet Earth can participate. If you're not sure from where you are, phone home.
- All correct entries will go into a lucky draw. If no correct entries, the one with the least errors will win. The winner will receive an Energizer Headlight with white and red bulb options, an invaluable tool for anyone doing night sky observations (valued at R120). If you already own one, they make great gifts... If you cannot complete the puzzle or are unsure about your answers, send it in any way. Others might do the same and there may not be a 100% correct entry.
- The judge's decision is final and no correspondence, pie throwing, name calling, space warping or black hole teasing will be entered into. The second place winner wins a night under the stars (he/she must however, arrange own night, own stars and own location).
- The compiler accidentally threw away the memo (or was eaten by the pet reptile?), so unfortunately no tips can be given to anyone. \*