



Space Communications and Navigation



Clue for 11 Across



Clue for 11 Across

Crossword puzzle grid with 24 numbered starting points:

- 1: 3 letters, horizontal
- 2: 3 letters, horizontal
- 3: 3 letters, vertical
- 4: 10 letters, horizontal
- 5: 10 letters, horizontal
- 6: 10 letters, horizontal
- 7: 10 letters, horizontal
- 8: 10 letters, horizontal
- 9: 10 letters, horizontal
- 10: 10 letters, horizontal
- 11: 10 letters, horizontal
- 12: 10 letters, horizontal
- 13: 10 letters, horizontal
- 14: 10 letters, horizontal
- 15: 10 letters, horizontal
- 16: 10 letters, horizontal
- 17: 10 letters, horizontal
- 18: 10 letters, horizontal
- 19: 10 letters, horizontal
- 20: 10 letters, horizontal
- 21: 10 letters, horizontal
- 22: 10 letters, horizontal
- 23: 10 letters, horizontal
- 24: 10 letters, horizontal



Clue for 11 Across



Clue for 5 Down



Clues



Across

1. Something that can interrupt a laser but makes your hot summer day better
4. Two stations in the southernmost part of the world; penguins live here
7. A body that orbits another body in space, either man made or natural
10. Element used in new space clocks; also a planet
11. Structure that captures and/or transmits radio waves; can also be on your roof to watch TV
12. Space Communications and Navigation (Abbrev.)
14. A range of all possible frequencies; colors of the rainbow are the visible spectrum
17. Sensor that measures direct energy from an object, like Earth's emissions at night
19. Number of times a radio wave repeats itself; tune into your favorite radio station
20. Transferring satellite's information until it has a view of the ground; like in a baton race
21. Signal that isn't constant but same wave height each time; clock that shows the actual numbers
23. Signal that is continuous and constant; clock with hour and minute hands
24. US territory in the Pacific where the other Space Network ground segment is located

Down

2. Country with a 70 meter and three 34 meter antennas; bull fighters live there
3. US state with the first Deep Space Network antenna built; people found gold in the 1840's
5. Satellites of the Space Network orbiting 23,000 miles above the Earth's equator (Abbrev.)
6. Country with the largest steerable antennas in the Southern Hemisphere; kangaroos live there
8. Demonstrated 622 Mbps downlink from the Moon; faster than your Internet at home (Abbrev.)
9. Sensor that measures energy off of an object, like the sun's energy off the Earth
13. US state where the Space Network ground segment is located; lots of green chiles here
15. Space clocks currently utilize this element; chemical symbol Cs
16. Type of spectrum that utilizes light to transmit lots of information; related to the eye doctor
18. Number of missions supported by SCaN; more than 99
22. Three stations are located in this state used for polar orbiting satellites; largest US state
24. Use it on your phone or in your car to find your way home; NASA uses it for navigation (Abbrev.)