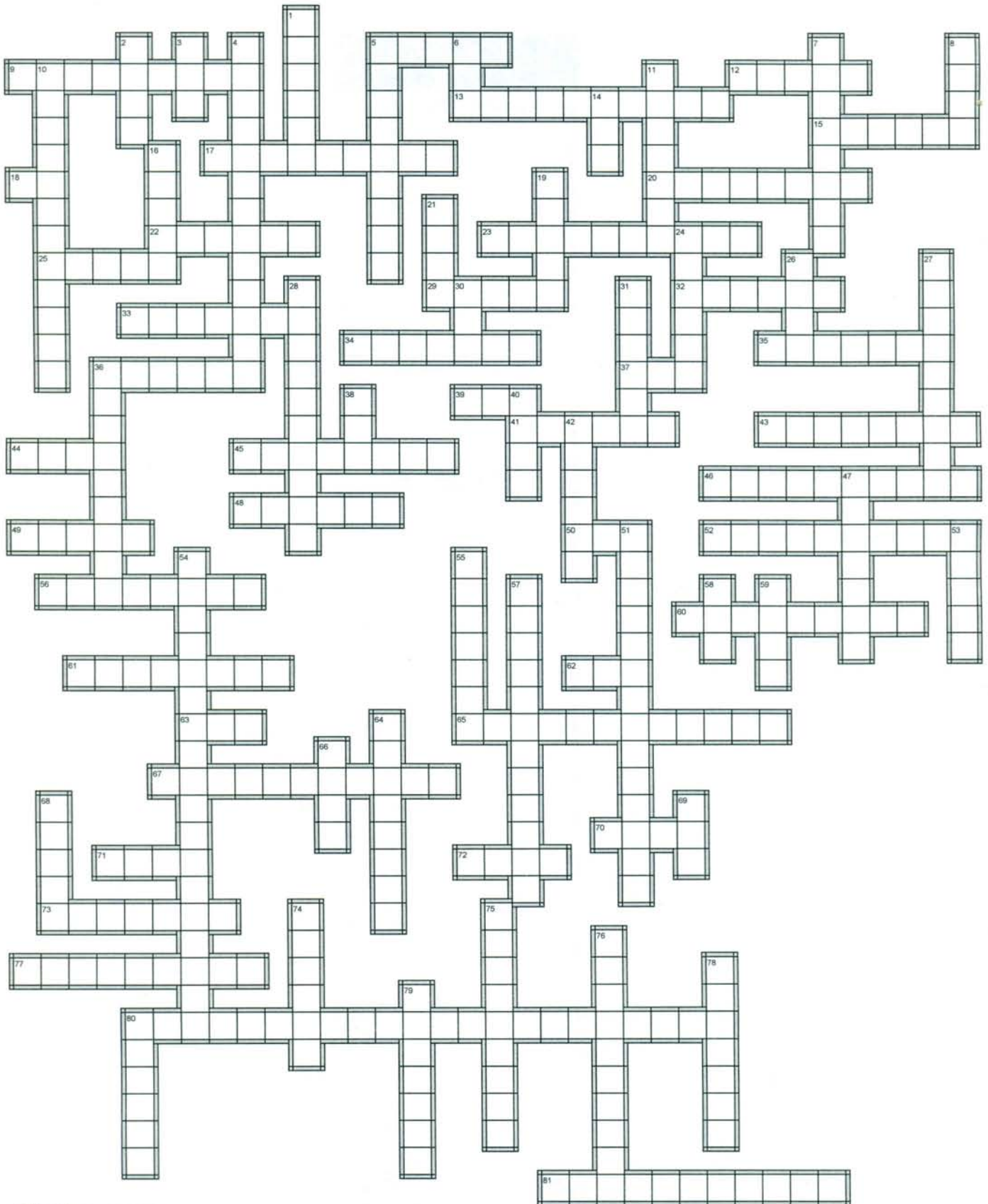


Light Pollution and Dark Skies Crossword #2

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Across

5. The planet with the most light pollution.
9. Facility at the UofA making precision optics. (2 words)
12. Type of Light Pollution that is light in your face and often dangerous.
13. IDA's award winning publication.
15. _____ lights for advertising are normally banned per Outdoor Lighting Codes.
17. Like non-uniform outdoor lighting as it gives them places to hide.
18. The position of a light switch, only when the light is needed.
20. Co-founder of the IDA, first Director and professional astronomer.
22. Co-founder of the IDA and amateur astronomer.
23. Artificial light traveling in this direction is the worst for observatories.
25. What disappears when lights are aimed upwards.
29. Normally required to be turned off at the close of business for cities with lighting codes.
32. In most large _____, few stars are visible.
33. Wasted light headed skyward is estimated to cost over two _____ dollars per year.
34. Many birds _____, light pollution can cause them to lose their way.
35. A key word in IDA's mission statement about the environment, often associated with police officers.
36. Lighting for this type event usually has a curfew.
37. Our closest and brightest star.
39. The best position of a light switch for a bad light.
41. Unit used for rating light bulb output.
43. They often report lighting code violations.
44. The most common first name of IDA conference attendees.
45. A candy bar and a solar system
46. What fc stands for when measuring light with a lightmeter.
48. When lights are left on for no reason, you waste a lot of this.
49. A _____ light is one of the most common and worst residential light polluters.
50. Nocturnal, big head, excellent vision at night if lights are off.
52. Type of light created by man.
56. Bad lighting can have a very adverse effect on our _____.
60. Generation of this chemical is greatly reduced by not having dark sleep.
61. Observatory that has over 20 telescopes on one mountain top.
62. Billboards should only have their lights mounted on the _____.
63. Very sensitive light viewing instrument.
65. Cause of a huge majority of the light pollution, most are on all night.
67. People hurt the most by Light Pollution
70. Arizona county with outdoor lighting codes since 1973.
71. Top person over the vatican observatories.
72. A natural source of light at night.
73. Type of Light Pollution lighting up the sky.
77. Not getting dark sleep can cause this rythm to get out of sync.
80. What does CFL stand for.
81. _____ outdoor lighting involves turning on lights only when needed and using the right amount of light for the task.

Down

1. The Vatican has a telescope on this mountain top in Arizona.
2. The best thing you can do for the International DarkSky Association.
3. Rules to restrict outdoor lighting, abbv.
4. Often have restricted lighting zones around them to keep them in business.
5. The biggest factor helping to reduce Light Pollution
6. The IDA has over _____ thousand members.
7. The primary objective of the IDA is to _____ the dark skies.
8. Their spawning habits are affected by outdoor lights
10. Old style light bulb that is being replaced by cfl's.
11. Papal government with it's own telescope in Arizona
14. A clear _____ is best for observing stars.
16. Attracted to white light as if it were a magnet.
19. Feathered friends who Often collide with lit buildings.
21. One of Arizona's night time pollinators, big insect eaters.
24. Founding city of the IDA.
26. A light _____ is used to measure time in space.

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Down

27. Animals that are active at night.
28. Best not to use any ____ lights when focusing light downward.
30. Initials of this DarkSky organization.
31. He is given credit for inventing the light bulb, but really made it useable by all and reliable.
36. Astronomy and optics financial business in Arizona is equivalent to hosting this event every other year.
38. More crimes are committed during the _____.
40. The most common shape for a lens of a good outdoor light fixture.
42. A ____ detector is an excellent way to turn lights on and off.
47. State with the most number of telescopes and astronomers.
51. Biggest threat to astronomers.
53. Travels at a speed of over 100,000 miles per second.
54. These yellowish high intensity lamps are the most common for street lights and parking lots. (3 words)
55. These can often be added to existing fixtures to control the light downward.
57. The sale of these lamps are banned in Arizona. (2 words)
58. Latest technology for street lighting, lamp source.
59. The best room conditions for healthy sleep.
64. Type of Light Pollution that goes across property lines.
66. Good lights always shine this direction.
68. Lights should be kept out of these as they provide roosts at night.
69. ____ lighting can threaten the whole ecosystem.
74. Glare in your face while driving can cause ____ problems.
75. First IDA dark sky friendly city in Arizona.
76. Their hatchlings can easily get confused by lights on buildings.
78. One of the largest single mirror telescopes in Arizona is on this mountain top.
79. ____ lights can normally only be used from Thanksgiving to early January each year
80. Cells that can grow faster due to too much light at night in sleeping areas.

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Word bank

ARIZONA ARTIFICIAL ASTRONOMERS BAD BATS BILLION BIRDS CANCER CIRCADIUM
CITIES CITIZENS COMPACTFLUORESCENTLAMP CRAWFORD CRIMINALS DARK DAVE
DAY DOWN EARTH EDISON EDUCATION ENERGY EYE FISH FLAGSTAFF FLAT
FLOOD FOOTCANDLE GLARE GRAHAM HIGHPRESSURESODIUM HOLIDAY HOPKINS
HORIZONTAL HUNTER IDA INCANDESCENT JOIN KITTPeAK LED LIGHT
LIGHTPOLLUTION LUMENS MELATONIN MERCURYVAPOR MIGRATE MILKYWAY MIRRORLAB
MOON MOTHS MOTION NIGHTSCAPE NOCTURNAL OBSERVATORIES OFF OLC ON
OWL PIMA POPE PRESERVE PROTECT RESPONSIBLE SAFETY SEARCH SEATURTLES
SHIELDS SIGNS SKY SKYGLOW SPORTS STARS STREETLIGHTS SUN SUPERBOWL
TEN TOP TREES TRESPASS TUCSON UNSHIELDED VATICAN WILDLIFE YEAR

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