

1	U2	T3	L4	X5	F	6	L7	I8	K9	X10	J	11	L12	W	13	J14	T	15	K16	R17	G18	B19	A20	E21	D22	F23	T24	X	
25	V26	W27	P28	U	29	K30	S31	B	32	L33	I34	P35	S36	K37	V38	B	39	Y40	J	41	G42	N43	E44	W45	S46	X47	J48	C49	Q
50	R	51	U52	L53	G	54	O55	Y56	R57	Q58	E	59	W60	T61	K62	A63	P64	S65	R	66	M67	Q68	N69	O70	V	71	T72	M73	J
74	E	75	F76	G77	K78	B79	A80	T81	I	82	T83	A	84	V85	E	86	C87	I88	G	89	E90	J91	Y92	S93	T	94	W95	N	
96	I97	N98	K99	Z	100	E101	Y102	L103	H	104	K105	X106	J	107	P108	I109	N110	L111	K112	E	113	B114	H	115	F116	X117	K	118	A
119	T120	Y121	Q122	J	123	L124	I125	Y	126	P127	U128	Z129	L	130	S131	D132	A133	K134	Y135	O136	Q	137	X138	E	139	L140	U141	J	
142	L143	S144	M	145	H146	T147	K148	E149	X	150	E	151	J152	U153	T154	L	155	W156	E157	H158	V	159	G160	C161	U162	A	163	G164	M
165	U166	Q167	Y168	P169	W	170	I171	H172	K173	L174	R175	A	176	Y177	N	178	K179	Q180	B181	Y182	D	183	N184	K185	Z	186	X187	E	
188	P	189	M190	K191	Y192	T	193	F194	S195	X196	T197	N	198	N199	A	200	T201	K202	L203	204	Q205	S	206	K207	S208	Q	209	N210	S
211	F212	U213	H214	S215	K216	Y217	X218	E219	V	220	L221	B222	J223	C	224	T225	V	226	T227	Q228	K229	W230	O	231	P232	F233	D234	X	
235	W	236	L237	D238	A	239	X240	Q241	H	242	E243	J244	O	245	Q246	Y247	M248	E	249	B250	I251	J252	P253	X254	V	255	U256	X257	H
258	A259	B	260	O261	S262	W263	C	264	H265	Q266	T267	K268	B269	F	270	P271	F272	I273	Y	274	N275	Z	276	S277	A	278	M279	X	

- A. Certain accessories for astronomers (6,6)
 - 199 79 118 238 162 132 175 258 19 83 277 62
- B. Apparently backwards (10)
 - 221 268 31 18 113 180 78 249 38 259
- C. Something, besides an astronomer, that might be bothered by a streetlight (1,4)
 - 48 223 160 86 263
- D. Toward Polaris (5)
 - 237 21 233 182 131
- E. What a veteran astronomer does (5,3,5,3)
 - 74 20 100 242 148 85 156 138 218 150 58 187 43 89 248 112
- F. Spirit and Opportunity’s unclean environment (5,4)
 - 211 271 75 115 5 22 232 269 193
- G. Nebula in Monoceros (7)
 - 53 163 159 88 76 17 41
- H. State of a brown dwarf’s fusion process (6,3)
 - 257 241 264 157 103 145 171 114 213
- I. Queen Cassiopeia’s husband (4,7)
 - 124 96 203 81 250 108 170 87 7 33 272
- J. Local events of the last 4.5 billion years (6,7)
 - 106 13 73 90 151 10 243 47 141 122 222 251 40
- K. Where the calendar changes (13,4,4)
 - 228 29 104 201 184 98 15 111 172 190 206 8 36 267 77 61 117 178 133
 - 147 215
- L. Apollo 11’s landing site (3,2,11)
 - 123 154 11 52 220 129 3 236 173 32 110 202 102 139 142 6
- M. Where a planet’s L4 Lagrangian point is, relative to the planet itself (5,2)
 - 66 189 144 72 278 247 164
- N. Venus’s orbital velocity is ___ Mercury’s (3,2,4,2)
 - 42 198 95 109 197 177 183 97 68 274 209
- O. Color of the Sun, and other class G stars (6)
 - 230 69 54 135 244 260
- P. Refractors’ primary lenses (10)
 - 252 107 270 34 231 126 63 27 188 168
- Q. Observing site rule (2,11)
 - 57 265 67 240 227 136 121 245 179 204 166 208 49
- R. Radiates (5)
 - 65 50 56 174 16
- S. In space (3,2,4,5)
 - 30 45 130 207 214 194 143 261 205 276 210 92 35 64
- T. Feature of an open cosmology (9,8)
 - 224 14 200 2 82 266 71 146 226 60 80 119 153 23 196 93 192

U. What Canis Major might be called (3,7)

165 127 28 161 152 255 140 212 51 1

V. The galaxy's main visible components (3,5)

219 25 37 254 158 84 70 225

W. Certain solar telescopes (10)

44 169 229 94 59 12 155 26 262 235

X. Cause of the stars' twinkling (6,10)

234 195 9 186 116 46 239 4 137 279 253 256 105 217 24 149

Y. Where many celestial names originate (5,9)

216 176 191 91 101 39 125 273 181 167 134 246 120 55

Z. Toward the sunrise (4)

185 128 275 99