

1	T2	G	3	E4	M	5	V6	A7	F8	D9	C10	M11	R12	P13	N	14	L15	M16	P17	G18	I19	U20	F21	S	22	E23	F24	A25	P	
26	I	27	N28	H29	L30	B31	A32	R33	M	34	O35	H36	J37	F	38	G39	H40	S	41	P	42	S43	M44	G45	P46	C47	R48	N		
49	A50	H51	U52	M53	L54	R55	V56	D57	O58	S	59	B60	S61	I62	P	63	E	64	M65	G66	U	67	V68	A69	T70	H	71	M72	S73	O
74	B	75	G76	T77	U78	A79	J80	V81	H82	E83	M	84	J	85	L86	M87	I88	O89	A90	K91	V92	J93	D94	G95	N	96	S97	H98	L99	D
100	F	101	V102	J103	H104	B105	G	106	F107	S	108	U	109	K110	A111	V112	E113	R114	U115	Q116	F	117	A118	E119	M120	L121	J122	C123	P	
124	F125	A126	C127	P128	S129	L130	K	131	G132	V133	A134	I135	N	136	N137	T	138	Q139	S140	H141	M142	C	143	Q144	B	145	A146	H147	J148	N
149	I	150	M151	H152	V	153	R154	B155	H156	T157	U158	C159	L	160	J161	L162	S163	I164	F165	M166	V	167	M168	P	169	Q170	T171	C172	G173	S
174	E	175	A176	F177	S	178	P179	C180	J181	U182	V183	E184	Q	185	S186	J187	T188	F189	E190	B191	R192	V	193	R194	M195	L196	K197	V198	H199	A
200	O201	B202	R203	M204	A	205	S206	L207	M208	R209	K210	H211	V212	O	213	V214	H215	J216	B	217	M218	H219	V220	E	221	K222	F	223	Q	
224	H225	P	226	U227	M228	J229	O230	V	231	M232	K233	F234	Q235	I	236	S	237	S238	A239	J240	P241	D242	F243	I	244	J245	V246	O247	A	
248	M249	N250	L	251	O252	F253	H	254	D255	P256	H257	M	258	K259	L260	B261	T	262	E263	I264	K265	C266	J	267	M268	T269	O270	D271	R	

A. One who tries to see 110 objects in a single evening (7,10)

133 6 145 204 125 238 31 117 49 247 24 89 110 175 199 68 78

B. Where the seeing is best (3,2,5)

59 154 30 201 216 144 74 190 104 260

C. Where comets come from (4,5)

46 122 9 265 158 126 171 179 142

D. Sees again, or critiques (7)

241 8 270 93 56 254 99

E. Like the stars in a cluster, relative to us (11)

183 262 112 118 174 3 189 22 63 82 220

F. Mathematical place for time? (6,9)

222 252 188 37 100 23 116 106 124 20 176 233 164 242 7

G. Where to see a peacock, a toucan, and a chameleon (2,3,5)

17 94 131 38 65 44 75 172 2 105

H. Where Earth went in 1910, relative to Halley’s Comet (5,7,3,4)

97 81 140 224 50 35 214 155 198 253 210 151 70 218 28 146 39 103 256

I. Sooner or later (10)

134 163 18 243 235 263 26 61 149 87

J. Be in on the same joke? (5,1,5,4)

244 186 84 228 266 36 92 215 239 160 102 79 121 180 147

K. Cosmological event right after the Big Bang (9)

232 130 258 196 90 109 264 221 209

L. Great view in Perseus (6,7)

250 129 29 14 120 159 85 195 98 53 206 259 161

M. What keeps the Moon in orbit (6,13,5)

15 10 207 165 267 4 83 86 248 231 141 150 43 217 194 52 33 227 257

64 167 203 119 71

N. What a fool might not have (3,5)

136 249 13 48 95 27 135 148

O. Cassiopeia’s throne (6,4)

34 229 269 57 212 251 88 73 246 200

P. What the dishes of the VLA do together (4,3,6)

25 178 45 62 41 16 127 12 255 168 240 225 123

Q. Apparent meteor shower source (7)

138 169 184 234 143 115 223

R. Mars’ biggest volcano (7,4)

208 11 271 202 54 47 153 193 32 191 113

S. Requiring help (7,10)

60 72 177 21 139 237 42 162 205 107 128 40 185 236 173 96 58

T. What ISS does so we can see it (9)

187 76 69 170 156 261 1 268 137

U. Generated an electromagnetic pulse (4,1,4)

51 114 181 77 108 66 157 19 226

V. What Saturn’s ring particles do when a shepherd moon approaches

(5,3,5,2,3)

166 132 211 91 192 213 230 152 182 197 5 55 245 111 67 101 219 80