

						1	J2	R3	S4	E5	K		6	I7	T8	C		9	P10	K11	O12	S		13	P14	U15	N16	C17	B		18	F19	Q		20	B21	V22	M																			
	23	W	24	aa	25	S	26	G	27	O	28	I		29	Z	30	A		31	R	32	Q	33	H	34	L	35	aa	36	T	37	A	38	N	39	W		40	H	41	A	42	F	43	R	44	G		45	aa	46	E	47	U			
48	G		49	S	50	B	51	M	52	X	53	L	54	H	55	bb	56	A	57	Y		58	D	59	H	60	X	61	U	62	R		63	A	64	E	65	K		66	E	67	X	68	I	69	B		70	L	71	U		72	V		
73	E	74	B		75	A	76	S	77	H	78	R	79	M	80	P	81	U	82	O		83	T	84	V		85	L	86	M	87	C	88	I	89	Y	90	bb		91	P	92	U	93	B		94	Y	95	S	96	I	97	K	98	H	
	99	O	100	H	101	E	102	S	103	N	104	X	105	J	106	B		107	aa	108	R	109	V	110	G	111	B	112	N		113	S	114	G	115	E		116	G	117	S		118	Z	119	R	120	Y	121	aa		122	A	123	O		
	124	I	125	U	126	W		127	P	128	I	129	C		130	A	131	L	132	B	133	S	134	W		135	A	136	S	137	P	138	R		139	U	140	G	141	A		142	R	143	I	144	L	145	H	146	M	147	V				
148	J	149	K	150	E	151	Z	152	I		153	G	154	S	155	Q	156	X	157	J	158	Y	159	H	160	M		161	D	162	C	163	X	164	W		165	bb	166	J	167	W		168	V	169	aa	170	R	171	S	172	D		173	E	
174	M	175	R	176	S	177	H		178	S	179	P	180	U		181	aa	182	I	183	V	184	A	185	B	186	L		187	O	188	P		189	U	190	H	191	W	192	Y	193	I		194	M	195	J	196	A	197	P	198	X			
199	Y	200	A	201	aa	202	R		203	D	204	K	205	A		206	X	207	E	208	N	209	B		210	B	211	aa	212	Q	213	N	214	S	215	J		216	V	217	A	218	T		219	R	220	X	221	W	222	K	223	M	224	Z	
225	I	226	Y	227	P		228	I	229	F	230	R	231	Y	232	Q	233	L	234	O	235	G		236	W	237	F		238	C	239	I	240	X		241	M	242	Y	243	I		244	I	245	P	246	aa	247	H	248	L		249	Z		
250	U	251	H		252	E	253	W	254	V		255	I	256	P	257	O		258	K	259	E	260	P		261	aa	262	O	263	P	264	K	265	I	266	E	267	R	268	L		269	Y	270	A	271	aa		272	R	273	Q	274	L		
275	W	276	C		277	bb	278	E		279	aa	280	P	281	J		282	A	283	M	284	R	285	B	286	S	287	G	288	C	289	W	290	X	291	U		292	H	293	X	294	V	295	B	296	U	297	M								

- A. Pythagoras’s theory of heavenly harmony (5,2,3,7)

282	184	56	122	75	37	30	135	200	141	63	196	217	41	270	205	130
-----	-----	----	-----	----	----	----	-----	-----	-----	----	-----	-----	----	-----	-----	-----
- B. Where an unlucky astronomer might be (5,3,6)

295	69	185	74	209	20	17	285	210	50	93	132	111	106
-----	----	-----	----	-----	----	----	-----	-----	----	----	-----	-----	-----
- C. Spinning on its axis (8)

129	8	16	288	238	162	276	87
-----	---	----	-----	-----	-----	-----	----
- D. End of a long observing session (4)

172	203	161	58
-----	-----	-----	----
- E. “Apparently the gentleman is in on it” (2,5,2,5)

266	207	173	150	66	101	278	73	46	64	115	252	259	4
-----	-----	-----	-----	----	-----	-----	----	----	----	-----	-----	-----	---
- F. Stellar explosion (4)

237	18	42	229
-----	----	----	-----
- G. Remnant of the 1054 supernova (4,6)

153	140	48	116	26	110	287	235	114	44
-----	-----	----	-----	----	-----	-----	-----	-----	----
- H. Nearly total sunblock (7,7)

190	159	40	100	54	145	251	77	292	98	59	33	177	247
-----	-----	----	-----	----	-----	-----	----	-----	----	----	----	-----	-----
- I. Certain unusual disk in Sculptor (3,9,6)

124	239	152	28	96	193	255	6	88	68	225	182	228	128	143	244	265	243
-----	-----	-----	----	----	-----	-----	---	----	----	-----	-----	-----	-----	-----	-----	-----	-----
- J. Discovery or Endeavor, for example (1,7)

195	215	166	105	1	148	157	281
-----	-----	-----	-----	---	-----	-----	-----
- K. Six trillion miles (5,4)

97	10	222	149	258	65	5	264	204
----	----	-----	-----	-----	----	---	-----	-----
- L. Where M42 is found (6,5)

131	34	233	274	85	268	186	144	70	248	53
-----	----	-----	-----	----	-----	-----	-----	----	-----	----
- M. Space traveler’s footwear, in fiction, sometimes (7,5)

160	79	283	194	86	174	146	241	223	51	22	297
-----	----	-----	-----	----	-----	-----	-----	-----	----	----	-----
- N. One of the gas giants (6)

15	38	208	103	213	112
----	----	-----	-----	-----	-----
- O. Height (9)

257	99	234	11	262	82	27	187	123
-----	----	-----	----	-----	----	----	-----	-----
- P. Piece of ready-to-use equipment (3,3,5,4)

179	127	245	91	256	80	13	280	137	263	188	227	260	197	9
-----	-----	-----	----	-----	----	----	-----	-----	-----	-----	-----	-----	-----	---
- Q. The furnace (6)

19	212	155	273	32	232
----	-----	-----	-----	----	-----
- R. Certain unusual oval in Coma Berenices (3,5,3,6)

62	2	267	219	230	78	31	272	43	202	119	284	175	108	142	170	138
----	---	-----	-----	-----	----	----	-----	----	-----	-----	-----	-----	-----	-----	-----	-----
- S. Copernican cosmology (12,5)

136	12	286	154	3	49	117	178	133	176	102	113	95	25	214	171	76
-----	----	-----	-----	---	----	-----	-----	-----	-----	-----	-----	----	----	-----	-----	----
- T. Radar reflection (4)

218	36	7	83
-----	----	---	----
- U. Like a meteor storm in a rainstorm (9,4)

250	71	92	139	180	291	125	47	296	81	61	14	189
-----	----	----	-----	-----	-----	-----	----	-----	----	----	----	-----
- V. Still on the launch pad (3,4,3)

254	109	216	147	21	183	72	294	168	84
-----	-----	-----	-----	----	-----	----	-----	-----	----
- W. January 1 exhortation (2,4,3,3)

221	39	253	236	23	134	191	164	126	289	167	275
-----	----	-----	-----	----	-----	-----	-----	-----	-----	-----	-----
- X. Home of over a dozen Messier objects (5,7)

67	290	220	60	104	156	293	52	206	163	240	198
----	-----	-----	----	-----	-----	-----	----	-----	-----	-----	-----

Y. Simplest job (7,4)

192 231 226 158 120 57 199 89 269 94 242

Z. What the Eagle does after it has landed? (5)

151 29 249 118 224

aa. Dial on a telescope's axis (7,6)

45 201 246 279 35 121 261 181 169 24 107 211 271

bb. Toward the sunrise (4)

55 277 90 165