

**ANSWER KEY PAGE 1**

TEAM NAME: \_\_\_\_\_ TEAM #: \_\_\_\_\_

1	M	30	C
2	Virgo Supercluster (Local Supercluster)	31	P
3	M60, M104	32	J
4	A, H	33	Star-forming
5	Hubble-de Vaucouleurs Diagram	34	G
6	Elliptical (Galaxies)	35	Starburst Galaxy
7	Lenticular (Galaxies)	36	D
8	Intermediate Spiral (Galaxies)	37	Red sequence
9	Dwarf Spheroidal (Galaxy)	38	Green valley
10	SAB(rs)cd (accept SABc or SABd or SABcd)	39	Blue cloud
11	Grand Design (Spiral Galaxies)	40	A
12	K	41	E
13	Ringedness	42	X-ray and optical
14	Classical	43	Field galaxy
15	Heirarchical	44	Coma Supercluster
16	Morphological Square	45	B
17	Environmental Secular Evolution	46	5
18	Protogalactic Collapse	47	S
19	Antennae Galaxies	48	D
20	B	49	Type A
21	Black Hole	50	Central Mass Concentration
22	Redshift	51	Zeta Ophiuchus
23	0	52	FF
24	11.09 (accept 11)	53	Sh2-27
25	N	54	Sharpless
26	Expansion (accept inflation, acceleration, dark energy)	55	Hydrogen
27	150 Hz	56	(Singular) Ionization
28	Passive	57	HI
29	Centaurus A (Cen A)	58	HII

**ANSWER KEY PAGE 2**

TEAM NAME: \_\_\_\_\_ TEAM #: \_\_\_\_\_

59	HI	88	Ecliptic
60	HII	89	Planets
61	HII	90	cc
62	HI	91	Lagoon Nebula
63	OIII	92	BB
64	30 Doradus	93	kk
65	HH	94	EE
66	Chandra	95	Sco OB2 association
67	X-rays	96	NGC6357
68	Melnick 34 OR BAT99-116	97	nn
69	Wolf-Rayet stars	98	Luminosity
70	Equator	99	Temperature (accept Color Index)
71	December	100	D
72	2	101	H
73	i	102	K
74	CC	103	A
75	g	104	I
76	III	105	F
77	K or K5	106	E
78	Giant or Ordinary Giant	107	B
79	"the Follower"	108	C I L (any order)
80	F	109	J
81	Absorption	110	E O
82	e	111	C
83	Auriga	112	A
84	f	113	100
85	35° to 45°	114	100 parsecs
86	9:00 pm to 10:00 pm	115	256
87	8		