

Cosmic Object List for Astronomy 2

I. BRIGHT STAR LIST

Study Guide for Planetarium Sky Quiz

See *General Schedule of Activities* for Date and Time of Quiz

Star	Constellation	m	M	d(LY)	Sp/Class	Notable Feature
POLARIS		2.02	-3.6	430	F7Ib	Yellow Supergiant Cepheid Variable
	URSA MINOR	2.06	-0.87	126	K4III	Orange Giant Pole Star in 1100 BC
MIZAR and ALCOR		2.27 4.01	0.37 2.06	78.1 81.1	A2V A5V	Multiple Star System
	BÖOTES	-0.05	-0.31	36.7	K2III	High Proper Motion Orange Giant
SPICA		0.98	-3.55	260	B1V	Very Luminous Main Sequence Star
	SCORPIUS	1.02	-5.3	600	M1Ib	Very Luminous Red Supergiant, Binary
ALTAIR		0.77	2.2	16.8	A7IV/V	Rapidly Rotating In Summer Triangle
	LYRA	0.03	0.58	25.3	A0V	Main Sequence Star In Summer Triangle
DENEK		1.26	-8.7	3000	A2Ia	White Supergiant In Summer Triangle
	AURIGA	0.08	-4.8	42	G8III	Yellow-White Giant Multiple Star System
CASTOR		1.9	0.9	51.6	A1V	Main Sequence Star Multiple Star System
	GEMINI	1.16	1.09	33.7	K0III	Orange Giant
PROCYON		0.40	2.7	11.4	F5IV/V	Double Star with White Dwarf
	CANIS MAJOR	-1.44	1.4	8.6	A1V	Double Star with White Dwarf
RIGEL		0.10	-6.8	770	B8Ia	Multiple Star System Blue Supergiant
	TAURUS	0.87	-0.63	65	K5III	Orange Giant Irregular Variable
BETELGEUSE		0.87	-4.7	430	M2Iab	Very Large Variable Red Supergiant
	LEO	1.35	-0.53	77.5	B7V	Multiple Star System Located on Ecliptic

II. SOLAR SYSTEM OBJECTS

Study Guide For Part I of Final Exam
See *General Schedule of Activities* for Date and Time of Exam

See Astronomy 5 Web Site for Visual Review
Astronomy Web Site for Visual Review

Name of Feature	Object	Notable Characteristic
SUN SPOT		Cooler region on the photosphere of the Sun
	MOON	Mare feature Landing Site of Apollo 11
CALORIS BASIN		Giant Impact region
	VENUS	Large Volcano on Venus
OLYMPUS MONS		Largest Volcano in the Solar System
	JUPITER	Giant High Pressure Storm in Jovian Southern Hemisphere
LONG PERIOD COMET		Spiral jet from nucleus Made of dirty ice
	HALLEY	First comet predicted to return Made of dirty ice
SURFACE OF IO		Dozens of active volcanoes No craters on surface
	SATELLITE OF JUPITER	Water underneath surface likely
SURFACE OF GANYMEDE		Largest moon in solar system Has own magnetic field
	SATELLITE OF JUPITER	Most heavily cratered surface
SURFACE OF MIMAS		Giant impact crater name Herschel Responsible for Cassini Division
	SATELLITE OF SATURN	Only satellite with thick atmosphere May have methane lakes
SURFACE OF MIRANDA		Has heavily grooved surface including "chevrons"
	SATELLITE OF NEPTUNE	Revolves backwards Ice geysers on surface