

**CLASS 97 Astronomy: Stars, Part 3**

1. temperature, luminosity
2. temperature, luminosity
3. varies, surface
4. The Harvard system
5. True
6. b, c, d
7. Class B
8. Yes, Class B stars are generally larger than Class G stars, which is what our sun is (I say this several times in the class and even have our sun marked on the scale).
9. False
10. Ia+
11. VII
12. V
13. V
14. False

**CLASS 98 Astronomy: Stars, Part 4**

1. The Harvard classification system
2. The luminosity classification system
3. V
4. main sequence
5.
  - a. Class All (pronounced "A-two")
  - b. Class OIa+ (pronounced "Oh-one-a-plus")
  - c. Class Mla (pronounced "Em-one-a")
  - d. FV (pronounced "ef-five")
6. True

**CROSSWORD**

**Across**

2. Billion
4. Luminosity
5. Harvard
7. Most
9. Main Sequence

**Down**

1. Plasma
3. Hottest
4. Light Year
6. Coolest
8. Least

**CLASS 99 Astronomy: Exoplanets, Binary Stars, Star Clusters, Brown Dwarfs**

1. A planet outside of our solar system.
2. b, d
3. orbit, center of mass (center of gravity)

4. Sirius A, Sirius B
5. False
6. False
7. a, b, c, d
8. True
9. 15 to 75 times

**CLASS 100 Astronomy: Supernovas, Nebulas, Neutron Stars and Black Holes**

1. supernova, explodes
2. False
3. True
4. remnant
5. nebula, dust
6. 11 years
7. After a star explodes, the left-over matter collapses down into a small space, creating so much pressure that protons fuse (combine) with electrons, forming neutrons. Therefore, all the matter in the "star" is made of neutrons—a neutron star.
8. 50% more, 99.6% less
9. a kernel of corn, more
10. True
11. Albert Einstein
12. False

**WORD SEARCH**

L	Q	G	T	K	Q	J	L	C	O	E	X	U	G	A	H	Z	I	F	X
N	J	F	P	L	U	O	O	D	U	X	C	A	Y	O	Y	C	B	S	U
E	I	Y	X	S	V	Q	W	R	W	P	K	X	J	I	B	R	C	H	K
U	E	A	M	U	M	G	U	E	M	L	S	N	V	R	R	A	X	G	P
T	H	O	N	J	J	K	I	S	F	O	O	U	U	D	O	L	I	P	V
R	C	P	S	G	B	V	K	T	Q	D	V	H	F	Z	W	V	I	M	G
O	J	Y	X	M	Y	Z	I	A	B	E	N	W	Q	I	N	A	L	L	Z
N	C	Y	L	W	W	Q	A	R	O	D	D	F	H	E	D	C	R	I	F
S	Q	U	R	N	Y	Y	R	C	M	S	O	L	S	M	W	E	T	L	J
T	S	I	T	K	A	G	Z	L	L	T	W	W	Q	L	A	W	Y	Q	M
A	J	K	H	U	Z	E	R	U	T	A	L	X	T	F	R	L	L	A	Q
R	N	E	B	U	L	A	H	S	D	R	S	R	G	H	F	Q	B	U	U
W	E	A	A	P	F	R	A	T	U	W	W	U	P	X	Y	J	L	V	D
Y	K	B	R	P	A	N	V	E	K	Y	E	H	P	I	P	M	A	R	W
T	I	V	H	F	G	B	X	R	T	T	Q	T	F	E	D	F	C	W	V
L	L	B	I	N	A	R	Y	S	T	A	R	C	D	D	R	U	K	F	K
M	K	A	B	H	Y	J	D	D	U	B	R	N	P	P	Z	N	H	E	Z
U	V	P	E	W	C	T	O	R	S	T	A	R	D	U	S	T	O	T	B
U	E	X	O	P	L	A	N	E	T	D	S	Z	Q	J	L	O	L	V	G
G	Q	P	E	K	W	U	Z	Z	F	E	A	S	T	I	I	E	J	A	