PUZZLES & ASTRONOMY

SOLAR SYSTEM & OUTER SPACE

15x15 Astronomy Matrix * 20 Celestial Bodies, Planets & Cosmic Phenomena

SOLVER TIME & SCORE
Start: ___:___ Stop: ___:___
Difficulty: [ ] Easy [ ] Med [ ] Hard

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

COSMIC TARGETS (20)

[ ] JUPITER
[ ] NEBULA
[ ] SUPERNOVA
[ ] ANDROMEDA
[ ] SATURN
[ ] MERCURY
[ ] VENUS
[ ] EARTH
[ ] MARS
[ ] GALAXY
[ ] METEOR
[ ] PULSAR
[ ] COMET
[ ] BLACK HOLE
[ ] QUASAR
[ ] TELESCOPE
[ ] ORBIT
[ ] ASTEROID
[ ] ECLIPSE
[ ] GRAVITY

ASTRONOMICAL OBSERVATORY LOG & PLANETARY CONSTANTS

PLANETARY DISTANCES

Mercury: 0.39 AU from Sun

Venus: 0.72 AU from Sun

Earth: 1.00 AU (149.6M km)

Mars: 1.52 AU from Sun

Jupiter: 5.20 AU from Sun

COSMIC PHYSICAL CONSTANTS

Speed of Light: 299,792 km/s

Gravitational Constant: G

Hubble Constant: Expansion rate

Andromeda Distance: 2.5M ly

Event Horizon: Schwarzschild radius

OBSERVER LOG & CERTIFICATION

Astronomer Name: _____

Telescope Aperture: _____ mm

Observation Date: _____

Minutes to Solve: _____

Celestial Stamp: * * * * *

DEEP SKY ASTROPHOTOGRAPHY LOG & SPECTROSCOPY NOTES: