

ASTRONOMY EXAMINATION

Secular Astronomy

Directions: Write a word or phrase that corresponds to each of the following:

1. Organized energy which is subject to linear gravity as it is modified by motion and conditioned by mind. _____ 1.
2. Scientist credited with the development of the refractory telescope. _____ 2.
3. Scientist who first stated the law of gravitation - developed laws of motion. _____ 3.
4. Means by which dark bodies in space may be detected by scientists. _____ 4.
5. Type of telescope on Mt. Palomar. _____ 5.
6. Common name of our galaxy. _____ 6.
7. Maximum number of stars that can be seen by the naked eye. (Total.) _____ 7.
8. Direction in which spectral lines are shifted when a body is approaching. _____ 8.
9. Diameter of our sun in miles. _____ 9.
10. Ratio of brightness between second and third magnitude stars. _____ 10.
11. General name of exceptionally violent exploding stars. _____ 11.
12. Most abundant element in the universe. _____ 12.
13. Ratio of the density of our sun to that of the earth. _____ 13.
14. Most abundant element in the sun. _____ 14.
15. Common name for spiraling eruptions coming from within the sun and extending far above the sun's "surface". _____ 15.
16. Technical name for a shooting star. _____ 16.
17. Name of the type of space bodies that has a tail. _____ 17.
18. Approximate length of the period of rotation of the moon. _____ 18.
19. Phase of the moon during a solar eclipse. _____ 19.
20. Estimated age of the universe as generally agreed upon by astronomers. _____ 20.

Directions: Write the name of the planet to which the statement pertains in the following:

1. Planet nearest the sun. _____ 1.
2. Planet with twelve moons. _____ 2.
3. Brightest planet as seen from the earth. _____ 3.
4. Planet whose axis is almost at right angles to its orbital plane. _____ 4.
5. Largest planet in our solar system. _____ 5.
6. Planet with rings. _____ 6.
7. Planet known to have no atmosphere. _____ 7.
8. Planet which oscillates in a 26,000 year cycle. _____ 8.
9. Planet whose day is about the same length as that of the earth. _____ 9.
10. Planet discovered from photographs. _____ 10.
11. Planet just within the belt of asteroids. _____ 11.
12. Planet discovered as the cause of the erratic behavior of another. _____ 12.

Secular Astronomy (Continued)

Multiple Choice. Directions: Write the letter of the best (correct) answer in the space at the right:

1. The scientist who first postulated that the sun was the center of all revolutions was (a) Kepler, (b) Einstein, (c) Faraday, (d) Copernicus, (e) Vincent, (f) Aristarchus. _____ 1.
2. Approximate maximum specific density of stars is (a) 200,000, (b) 1 trillion, (c) 7, (d) 619, (e) 26,011. _____ 2.
3. The production and radiation of energy by the sun is principally caused by (a) chemical action, (b) burning, (c) atomic fusion, (d) atomic fission, (e) physical change of state. _____ 3.
4. The theory concerning the origin of our solar system that is in agreement with the Urantia Book is (a) vortex theory, (b) dust cloud hypothesis, (c) nebular hypothesis, (d) Chamberlin-Moulton theory, (e) Kant - LaPlace theory. _____ 4.
5. The ~~facts~~ fact(s) that do not pertain to our sun is (are) (a) its surface temperature is 6,000 ° C., (b) it is an average typical star, (c) its period of rotation is 26 days, (d) its volume is over one million times that of the earth, (e) its density is about 1/4 that of the earth. _____ 5.

Astronomy In The Urantia Book

True-False Completion. Directions: In the following if the statement is true, write TRUE in the space at the right. If the statement is false, cross out the underlined term and write in the space at the right the word or words which must be substituted for the underlined term to make it correct:

1. Space is a bestowal of the Unqualified Absolute. _____ 1.
2. The cross section of unpervaded space resembles an hour glass. _____ 2.
3. Super universe number 6 is approximately east of the Central Universe. _____ 3.
4. About ~~more~~ 85% of all matter appears to be in the outer space zones. _____ 4.
5. When completed the seven superuniverses will contain slightly less than five hundred million architectural worlds. _____ 5.
6. The standard year of the seventh superuniverse is approximately 3,000 days of Urantia time. _____ 6.
7. The first architectural worlds in our ~~we~~ local universe were started 200,000,000,000 years ago. _____ 7.
8. There are 3,840,101 inhabited planets in our minor sector. _____ 8.
9. Nebulae are not directly related to local universe or minor sector administrative units. _____ 9.
10. The grand universe number of our world is 5,342,482,337,666. _____ 10.

Directions: Fill in the chart below:

	<u>Name of ours</u>	<u>Name of Capital</u>	<u>No. of Architectural worlds at Headquarters</u>
Superuniverse	_____	_____	_____
Major Sector	_____	_____	_____
Minor Sector	_____	_____	_____
Local Universe	_____	_____	_____
Constellation	_____	_____	_____
System	_____	_____	_____

Astronomy In The Urantia Book (Continued)

Directions: Write a word or phrase that corresponds to each of the following:

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|--|-------|-----|
| 1. Approximate time of the complete expansion-contraction cycle of space respiration. | _____ | 1. |
| 2. Direction of revolution of the first outer space level. | _____ | 2. |
| 3. Name of the substance of Paradise as given by the Melchizedeks. | _____ | 3. |
| 4. Total number of worlds in the central universe encircling Paradise. | _____ | 4. |
| 5. Specific location of the force-focal headquarters of the Seven Master Spirits. | _____ | 5. |
| 6. Approximate length of the Paradise-Havona standard day. | _____ | 6. |
| 7. Description of a cross-section of the inner belt of dark gravity bodies surrounding the central universe. | _____ | 7. |
| 8. Number of systems in a local universe. | _____ | 8. |
| 9. Approximate distance from outermost system of inhabited worlds to the center of the superuniverse. | _____ | 9. |
| 10. Chief characteristic of the regions of space surrounding a pervaded space zone. | _____ | 10. |
| 11. Approximate width of the zone of quiet separating the superuniverse space level from the first outer space zone. | _____ | 11. |
| 12. Living blueprints of the seven levels of the master universe. | _____ | 12. |
| 13. Number of minor sectors in the seventh superuniverse. | _____ | 13. |
| 14. Approximate number of inhabitable worlds anticipated in the seventh superuniverse. | _____ | 14. |
| 15. Name of the nebula from which our sun was born. | _____ | 15. |
| 16. Name of our solar system. | _____ | 16. |
| 17. Age of the oldest inhabited world in our local universe. | _____ | 17. |
| 18. Number of inhabited worlds in our system. | _____ | 18. |
| 19. Age of our sun. | _____ | 19. |
| 20. Number of suns in our superuniverse. | _____ | 20. |
| 21. Specific density of our sun. | _____ | 21. |
| 22. Density of a substance four cubic feet of which weigh 12 pounds. | _____ | 22. |
| 23. Fahrenheit temperature considered to be the electronic boiling point. | _____ | 23. |
| 24. Number of planets originally in our solar system. | _____ | 24. |
| 25. Number of worlds in the Havona circuits. | _____ | 25. |

Directions: Select just one of the following items and discuss it briefly:

1. The seven different astronomic revolutions of our planet that have confused star observers.
2. The four stages or cycles of evolution or development of our spiral nebula.
3. Seven of the ten ways in which suns, planets, and other spheres originate.
4. Suns - their critical size, composition, state.
5. Five of the seven sources of solar energy.
6. Draw a cross section diagram of the master universe.