

### Clarifying Questions:

1. The universe is made up of \_\_\_\_\_.
2. Galaxies are made up of \_\_\_\_\_.
3. Earth is the satellite planet of the \_\_\_\_\_.
4. The Milky Way Galaxy is \_\_\_\_\_ and \_\_\_\_\_.
5. The Solar system and Earth are located \_\_\_\_\_.
6. What is the difference between blue and red star? \_\_\_\_\_.
7. How does our star compare to the blue and red stars based on age? \_\_\_\_\_.
8. The shape of Earth is \_\_\_\_\_.
9. What is an oblate spheroid? \_\_\_\_\_.
10. Why is the Earth's shape oblate spheroid? \_\_\_\_\_.
11. The Earth's axis is \_\_\_\_\_.
12. Revolution is \_\_\_\_\_ and takes \_\_\_\_\_ days.
13. The revolution and the tilt are \_\_\_\_\_.
14. Earth's rotation takes \_\_\_\_\_ hours and causes \_\_\_\_\_ and \_\_\_\_\_ effect.
15. Precession is \_\_\_\_\_ and affects the \_\_\_\_\_.
16. Earth's northern star changes every few thousand years because of \_\_\_\_\_.
17. Nutation happens when \_\_\_\_\_.
18. Unlike precession, nutation causes a slight change in the seasons because \_\_\_\_\_.
19. Barycenter is \_\_\_\_\_.
20. The point where the moon orbits around Earth is located \_\_\_\_\_. This is called \_\_\_\_\_. The barycenter is always closer to the \_\_\_\_\_ body.
21. The Sun is not stationary in its place because \_\_\_\_\_.
22. Johannes Kepler was \_\_\_\_\_.
23. There are \_\_\_\_\_ laws describing Kepler's Planetary Motion.
24. Kepler's First Law states that \_\_\_\_\_.
25. Kepler's Second Law states that \_\_\_\_\_.
25. Kepler's Third Law states that \_\_\_\_\_.
26. Elliptical means \_\_\_\_\_.
27. Planets orbit around the Sun in an \_\_\_\_\_ orbit and they are faster when they are \_\_\_\_\_.

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