

Test Review – Earth Orbit and Seasons

1. What is the approximate diameter of the Earth? _____
2. What is the approximate circumference of the Earth? _____
3. What is the approximate average distance from the Earth to the Sun? _____
4. On what day is the Earth closest to the Sun? _____
5. On what day is the Earth farthest from the Sun? _____
6. What is the Earth doing when it revolves? _____
7. What is the Earth doing when it rotates? _____
8. What is the Earth's period of rotation? _____
9. What is the Earth's period of revolution? _____
10. In what direction, when viewed from the North Pole, does the Earth rotate? _____
11. In what direction, when viewed from the North Pole, does the Earth revolve? _____
12. What is the Moon's period of rotation and revolution? _____
13. In what direction does the Moon rotate and revolve? _____
14. How long does it take for the Moon to complete one cycle of lunar phases? _____
15. What time unit of measurement on a calendar is approximately the Earth's period of rotation?
16. What time unit of measurement on a calendar is approximately the Earth's period of revolution? _____
17. What time unit of measurement on a calendar is approximately the time it takes to complete one cycle of lunar phases? _____
18. Why does the Earth have seasons? _____
19. Why is it hotter in the summer and colder in the winter? _____

20. What is the tilt of the Earth's axis (as compared to the Sun's axis)? _____
21. What is the latitude of the Equator? _____
22. What is the latitude of the Tropic of Cancer? _____
23. What is the latitude of the Tropic of Capricorn? _____
24. On what days of the year is the Sun directly over the Equator? _____
25. On what day of the year is the Sun directly over the Tropic of Cancer? _____
26. On what day of the year is the Sun directly over the Tropic of Capricorn? _____
27. What is the Arctic Circle, and at what latitude is it located? _____

28. What is the summer solstice, and on what day does it occur in the Northern Hemisphere?

29. What is the winter solstice, and on what day does it occur in the Northern Hemisphere?

30. What is the equinox, and on what two days does it occur? _____

31. In the Northern Hemisphere, what day has the shortest period of daylight and longest period of darkness? _____
32. In the Northern Hemisphere, what day has the longest period of daylight and shortest period of darkness? _____
33. On what two days of the year is there 12 hours of daylight and 12 hours of darkness everywhere on Earth?
34. In Dallas, in what direction does the Sun rise on March 21st? _____
35. In Dallas, in what direction does the Sun rise on June 21st? _____
36. In Dallas, in what direction does the Sun rise on December 21st? _____
37. In his classroom, a teacher uses a 12" globe and an electric spotlight as a model of the Earth and the Sun? What is the main flaw with this model? _____

38. Where on Earth is there the greatest difference in daylight hours between summer and winter?

39. Where on Earth is there the least difference in daylight hours between summer and winter?
40. What happens on the Arctic Circle on June 21st? _____