



#3 - Cycles in the Sky

1. What is the name of the north star? _____
2. A star in the east, when viewed a few weeks later will be _____
3. How long does it take for the Earth to orbit the Sun? _____
4. Stars in the east rise _____ minutes earlier every night
5. What is the name of the path taken by the sun across the sky? _____
6. What name is given to the constellations through which the sun passes? _____
7. How long does it take for the Sun to complete a zodiac cycle? _____
8. The Sun's apparent movement through the zodiac is a result of _____
9. What other objects orbit in approximately the same plane as the Earth? _____
10. The word "planet" is Greek for _____
11. The Earth's axis is tilted with respect to its orbital plane by _____
12. If it weren't for the tilt of Earth's axis, _____ wouldn't occur
13. What is the shape of Earth's orbit around the sun? _____
14. In which month is the Earth closest to the Sun? _____
15. What is the name for the slow movement of the Earth's axis as it spins? _____
16. In 11,000 years, what star will be our north star? _____