

**Note-taking
Worksheet**

The Sun-Earth-Moon System

Section 1 Earth

- A. Properties of Earth—people used to think that Earth was flat and at the _____ of the universe.
- Earth is now known to be a round, three-dimensional _____.
 - _____—imaginary vertical line around which Earth spins
 - _____—the spinning of Earth around its axis that causes day and night
 - Earth has a _____ field with north and south poles.
 - Magnetic _____—imaginary line joining Earth's magnetic poles
 - Earth's magnetic axis does not _____ with its rotational axis.
 - The _____ of magnetic poles slowly changes over time.
- B. Causes of seasons
- _____—Earth's yearly orbit around the Sun
 - Earth's orbit is an _____, or elongated, closed curve.
 - Because the Sun is not centered in the ellipse, the _____ between Earth and the Sun changes during the year.
 - Earth's _____ causes seasons.
 - The hemisphere tilted toward the Sun receives more _____ hours than the hemisphere tilted away from the Sun.
 - The _____ period of sunlight is one reason summer is warmer than winter.
 - Earth's tilt causes the Sun's radiation to strike the hemispheres at different _____.
 - The hemisphere tilted toward the Sun receives more total _____ than the hemisphere tilted away from the Sun.
 - In the hemisphere tilted toward the Sun, the Sun appears _____ in the sky and the radiation strikes Earth more directly.
- C. _____—the day when the Sun reaches its greatest distance north or south of the _____
- _____ solstice occurs June 21 or 22 in the northern hemisphere.
 - _____ solstice occurs December 21 or 22 in the northern hemisphere.