

Name _____

Code Cracker Challenge

Mission: Earth's movements cause more than just day and night... they control what we wear, what we eat, and when we go on vacation! Crack the code by matching the correct vocabulary terms with their definitions. Each correct match gives you a letter. Put the letters together to reveal the **7-letter word** that explains why we get sunburnt in July and snowflakes in January!



Vocabulary Terms	Definitions
1. Solstice	(S) Energy from the Sun that reaches Earth and changes depending on the season and location.
2. Equator	(S) One of the four divisions of the year (spring, summer, fall, winter) caused by Earth's tilt and revolution.
3. Axis	(E) The imaginary line around the middle of Earth, dividing it into Northern and Southern Hemispheres.
4. Season	(S) A day when the Sun is either at its highest or lowest point in the sky at noon, marking the longest or shortest day of the year.
5. Orbit	(O) The path Earth takes as it moves around the Sun.
6. Night and Day	(A) The invisible line that runs through Earth from the North Pole to the South Pole.
7. Sunlight	(N) The reason we experience day and night-caused by Earth spinning on its axis.

Secret Word Code: Find the secret code by writing the correct **letters** in the blanks below.

(1) ____ (2) ____ (3) ____ (4) ____ (5) ____ (6) ____ (7) ____

HINT: It's what makes pumpkins grow in one part of the year and snowmen in another!