Earth's Rotations Practice Worksheet

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1. These things differ by location:
   a. Sunrise and sunset
   b. The length of day and night
   c. The amount of daylight and darkness
   d. All of these

2. The Earth rotates on its axis every
   a. 60 minutes
   b. 24 hours
   c. 365 days
   d. 60 seconds

3. A point at the Equator rotates extremely fast, but a point near the south pole barely moves at all.
   a. TRUE
   b. FALSE

4. What is the Earth's rotation period in seconds relative to the Sun?
   a. 86,400 seconds
   b. 84,000 seconds
   c. 80,000 seconds
   d. None of the above

5. Earth's axis of rotation passes through the planet from the North Pole to the _____.
   a. Prime Meridian
   b. South Pole
   c. Equator
   d. Core

6. How long does it take for Earth to make a complete rotation?
   a. 1 year
   b. 1 week
   c. 1 day
   d. 1 month

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7. The sun, moon, and stars appear to rise in the east and set in the west because Earth rotates in a _____-direction.

   a. clockwise
   b. counterclockwise

8. Which of the following is the best evidence to prove that Earth spins on its axis?

   a. Changes in the position of sunspots on the Sun
   b. The apparent shifts in the swing of a Foucault pendulum
   c. Atmospheric density variations
   d. None of the above

9. Which of the following is responsible for the phenomenon of day and night?

   a. Earth's rotation
   b. Coriolis effect
   c. Earth's revolution
   d. None of the above

10. The length of a day and a night is different in different locations on Earth and in different seasons.

   a. TRUE
   b. FALSE

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