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Time Quiz

1. True or False? The Sun rises and sets at different times during the year

- a) True
- b) False

2. This is when the Sun is either at its lowest or highest position during the year...

- a) Solstice
- b) Equinox

3. This is the time of year when day and night time are equal...

- a) Solstice
- b) Equinox

4. 'Apparent Sun' means..?

- a) The position of the sun in the sky at a given time
- b) The time we use on our watches

5. A solar day is..?

- a) The time it takes for the Sun to arrive at the same point in the sky as the previous day
- b) The time it takes for a star to be positioned at the same point in the sky as the previous day

6. A Sidereal day is 4 minutes longer than a Solar Day. Why?

- a) The Sun rises earlier
- b) Earth rotates around the Sun
- c) Earth is orbiting at the same time as rotating around the Sun

7. The Equation of Time is..?

- a) Apparent solar time - Mean solar time
- b) Apparent solar time + Mean solar time
- c) Apparent solar time = Mean solar time

8. What is a disadvantage if using a sundial to tell the time..?

- a) Do not work when the Sun cannot cast a shadow
- b) Does not work correctly if not precisely aligned
- c) Requires use of equation of time calculations to be accurate

9. This can be used to determine local noon and observer's longitude..?

- a) Orrery
- b) Planisphere
- c) Shadow Stick

10. What became the most accurate and reliable way to find longitude in the 18th Century onwards?

- a) Lunar Distance Method
- b) Horological Method

Answers

1. (a)
2. (a)
3. (b)
4. (a)
5. (a)
6. (c)
7. (a)
8. (a) (b) (c)
9. (c)
10. (b)