

## Unit 1 - Homework 1: Cardinal Directions, Timekeeping, and the Sun

In order to help you answers these questions, see pages 12—18 in Unit 1.

1. Every day, where does the sun rise?

- North
- South
- East
- West

2. Every day, where does the sun set?

- North
- South
- East
- West

3. Every day, when does *nighttime* begin?

- Nighttime begins at *sunrise*.
- Nighttime begins at *sunset*.

4. Every day, when does *daytime* begin?

- Daytime begins at *sunrise*.
- Daytime begins at *sunset*.

5. Every day, when does daytime *end*?

- Nighttime ends at *sunrise*.
- Nighttime ends at *sunset*.

6. Every day, when does nighttime *end*?

- Daytime ends at *sunrise*.
- Daytime ends at *sunset*.

7. Daytime and nighttime are two parts of the whole day, but what *is* the day as a whole?  
(Hint: The Sumerians and Egyptians defined the day in different but equivalent ways.)

8. Every day, the sun travels across the sky above us, but which way does it travel?

- The sun travels from north to south.
- The sun travels move from south to north.
- The sun travels from east to west.
- The sun travels from west to east.

9. Every day, the sun travels across the sky above us, and it casts shadows upon the land down below the sky. As the sun travels across the sky, which way do the shadows move?

- They move from north to south.
- They move from south to north.
- They move from east to west.
- They move from west to east.

10. In a 24-hour day, if daytime lasts for 14 hours, then how long does nighttime last?  
Explain (or show your work).

11. If daytime lasts for 14 hours, then how many hours *after sunrise* is midday (or noon)? In other words, if daytime lasts for 14 hours, then how many hours *before sunset* is midday?  
Explain (or show your work).

12. If daytime lasts for 14 hours, then how many hours *after sunset* is midnight? In other words, if daytime lasts for 14 hours, then how many hours *before sunrise* is midnight?  
Explain (or show your work).

13. Every day, when is the sun the highest in the sky? (Circle or highlight all that apply.)

- Sunrise
- Noon (Midday)
- Sunset

14. Every day, when is the sun the lowest in the sky? (Circle or highlight all that apply.)

- Sunrise
- Noon (Midday)
- Sunset

15. Every day, when are shadows the longest? (Select all that apply.)

- Sunrise
- Noon (Midday)
- Sunset

16. Every day, when are shadows the shortest? (Select all that apply.)

- Sunrise
- Noon (Midday)
- Sunset

17. | MYTHICAL WORLDVIEW | :-: According to the Egyptians, where does the sun go at night?