

## PATH OF THE SUN

The sun appears to rise each morning in the East and move across the southern sky and set, each evening in the West. We have observed this countless days even when we are not aware of the Sun's motion. Let's try for a while to think about those motions and what they look like from Chatham.

In this activity you will be asked to identify which portion of the sky is represented in each diagram. Then you will be asked to explain your answer, why you think your answer is correct.

### ANSWER ALL QUESTIONS IN COMPLETE SENTENCES!

1. In diagram A. we are looking at the Sun's apparent motion in the sky. In which compass direction are we looking? What evidence is there to support your answer?

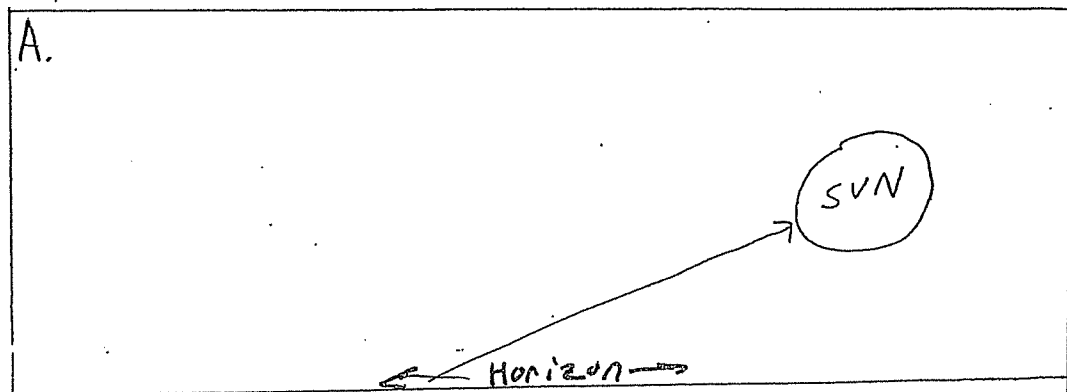
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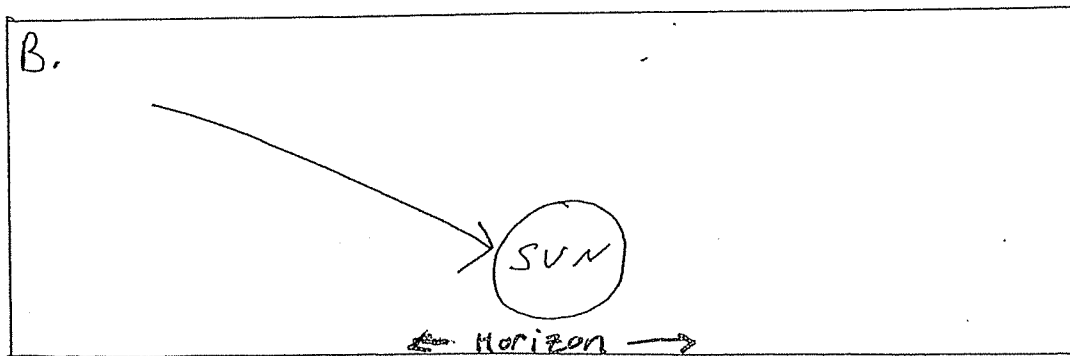


2. In diagram B. we are looking at the Sun at another time in the same day. In which compass direction are we looking? What evidence is there to support your answer?

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3. Diagram C. represents what time of day? State your reason for choosing your answer.

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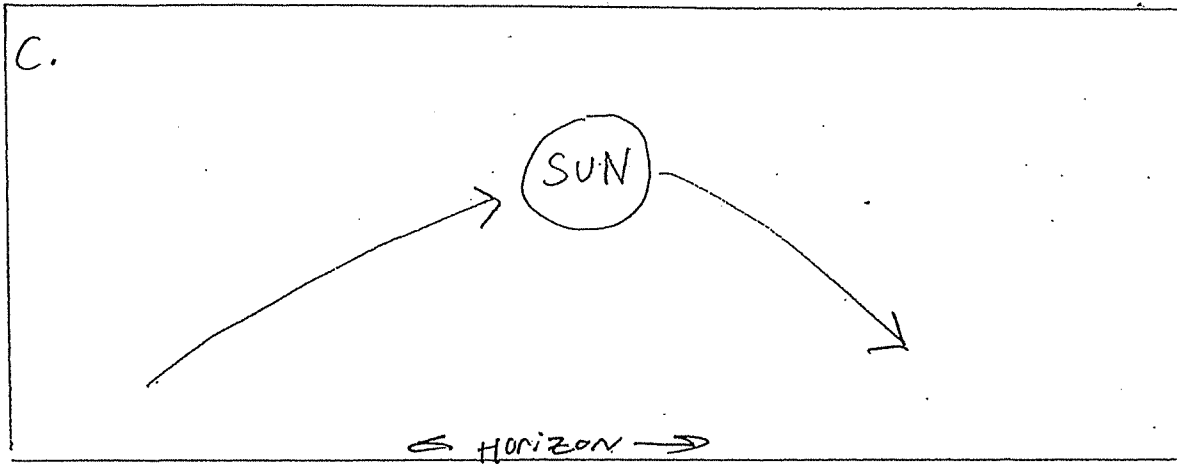
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4. In diagram D. the picture is of the Sun at noon at 3 different times of year. From the dates listed below choose which date matches each position of the Sun and then write a sentence or two that explains your choices.

**September 23**

**December 21**

**June 21**

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