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Life, Earth, and Space Science Assessment Probes



## **Me and My Shadow**

Five friends were looking at their shadows early one morning. They wondered what their shadows would look like by the end of the day. This is what they said:



longer throughout the day."

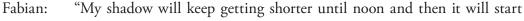
Morrie: "My shadow will keep getting

shorter throughout the day."

Amy: "My shadow will keep get-

ting longer until it reaches its longest point and then it will

start getting shorter."



getting longer."

Penelope: "My shadow will stay about the same from morning to day's end.

Which friend do you most agree with?

Describe your thinking. Explain the reason for your answer.