

WHAT TIME IS IT, SUNDIAL?

ACTIVITY

Model the rotation of Earth by turning the sundial to explore how a sundial works. Then, make observations about the patterns of a sundial to help determine and predict different times throughout a day.

VOCABULARY

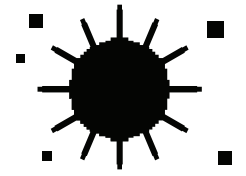
Model – A representation of an object or process.

Sundial – A way to tell time based on the location of the Sun in the sky. Sundials were used before modern clocks.

STEPS

1. Find the letter A on the sundial board and turn the sundial so the arrow on the side points to it.
2. Observe the shadow the gnomon makes on the sundial face.
3. On the back of this sheet, draw how the shadow looks and write what time it shows.
The number the shadow falls on is the hour, like the hour hand of a modern clock.
4. Repeat steps 1–3 following alphabetical order.
5. On the back of this sheet, sequence the times in order using the shadows.
6. Tell a friend what you notice about the shadows and the time of day.

NAME: _____



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<p>A</p> <p>TIME --:--</p>	<p>B</p> <p>TIME --:--</p>	<p>C</p> <p>TIME --:--</p>
<p>D</p> <p>TIME --:--</p>	<p>E</p> <p>TIME --:--</p>	<p>F</p> <p>TIME --:--</p>

sundial times in order