



Name: Form:

Based on pages 18 and 19 of *Light and shadows*

Investigating shadows with a shadow stick

Try this...

1. Set up a shadow stick on an open piece of ground.
2. Mark the position of the shadow made by the stick.
3. Mark the ground near the stick to predict how you think the shadow may look in an hour's time.
4. Return to the stick in an hour and compare the actual shadow with your marked prediction.
5. Mark the new position of the shadow and the time.
6. Repeat steps 3, 4 and 5 a few more times during the day.
7. How did your predictions compare with the shadows that were actually made?



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8. On a separate piece of paper, make a drawing of the shadows made by your shadow stick during the day. Label the shadows with the time each one was made.
9. Ask your teacher which directions are north, south, east and west.
10. Write down how the shadows of the shadow stick changed during the day.



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