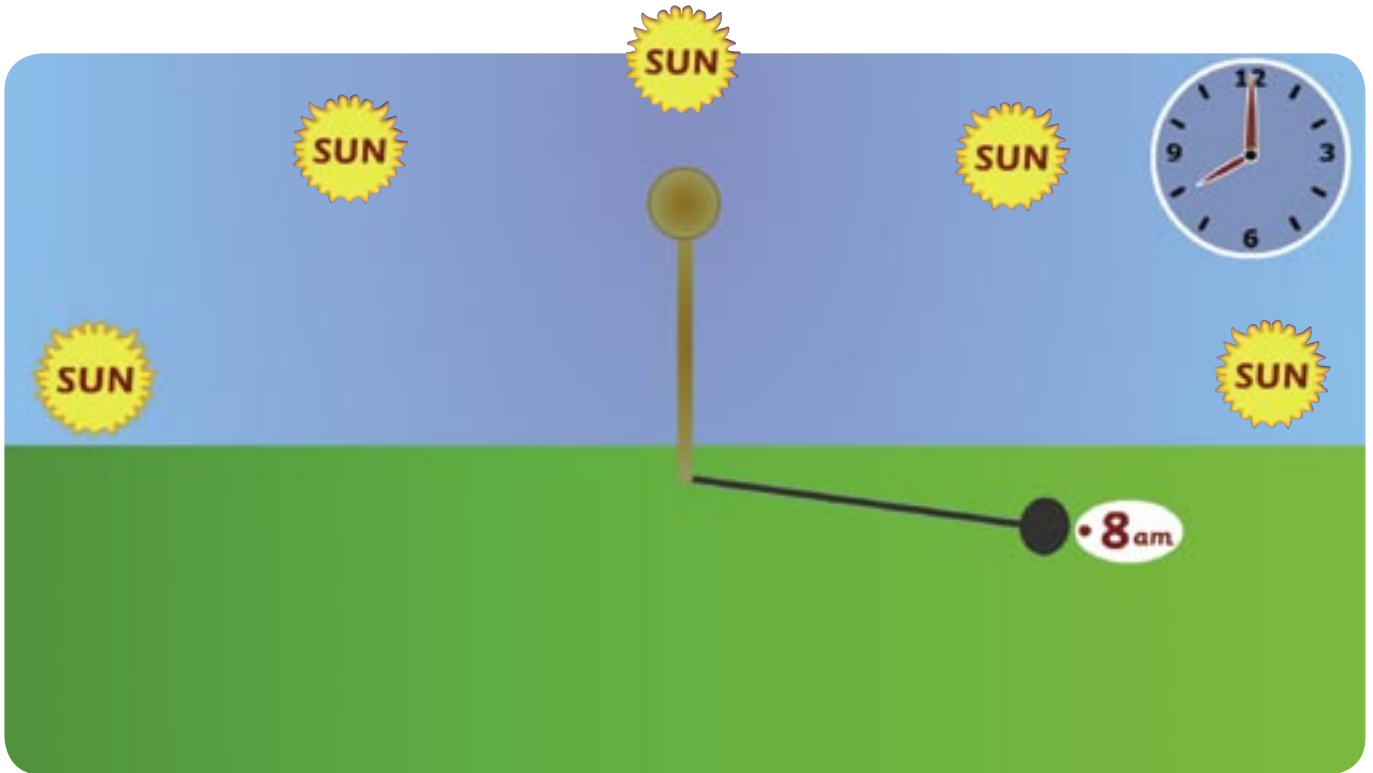


# Earth, Moon & Sun

## Light and Shadow

In the morning, shadows are LONG. If we put a stick in the ground, we can mark where the shadow falls.



- 1 What causes the shadow?
- 2 Look at the different positions of the sun at different times of the day. Draw on the diagram where the shadow would be for each sun.
- 3 At what time is your shadow shortest?
- 4 If you stand with the sun shining on your back:
  - \* Where would your shadow be?
  - \* What shape would it be?

QCA Science Unit 3F Light and Shadow  
Learn that shadows are formed when light travelling from a source is blocked  
Learn that shadows are similar in shape to the object forming them  
Learn that shadows of objects in sunlight change over the course of the day  
Learn that shadows change in length and position through the day  
Learn that the sun appears to move across the sky in a regular way every day  
Learn that the Sun appears highest in the sky at midday