



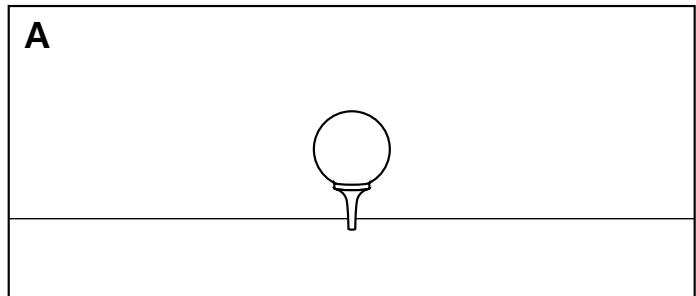
Name: Form:

See pages 18 and 19 of *Light and shadows*

Sundials

The Sun is in different parts of the sky at different times during the day. We can trace what changes this brings and use them to tell the time.

Q1. Picture A is a golf ball and tee at the beginning of the day, Picture B is a golf ball and tee at midday and Picture C is a golf ball and tee at the end of the day. Draw in the Sun's position and the shadow made by the golf ball and tee in each picture.



Q2. What happens to the Sun in the sky during the morning?

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Q3. What happens to the Sun in the sky in the afternoon?

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Q4. Where could you place a stick to investigate how shadows change during the day?

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Q5. (i) What is a sundial used for?

(ii) When can a sundial be used? Explain your answer.

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