



Name: ..... Form: .....

See pages 14 and 15 of *Earth and beyond*

# Shadows and eclipses

When sunlight is blocked, it casts a shadow. This is true for both small objects like a tree and for large ones like the Moon.



**Sunrise**



**Mid-morning**



**Midday**



**Mid-afternoon**

**Q1.** Draw how the shadow appears at mid-morning, midday and mid-afternoon.

**Q2.** Why is a shadow cast when sunlight strikes an object?



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**Q3.** If the Sun is shining in the east, in which direction does the shadow of an object lie?



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**Q4.** When you look at the shadow of an object at two different times, and you find that the shadow is getting longer, is it morning or afternoon?



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**Q5.** When does an eclipse take place?



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**Q6.** What is the difference between a total eclipse and a partial eclipse?



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