



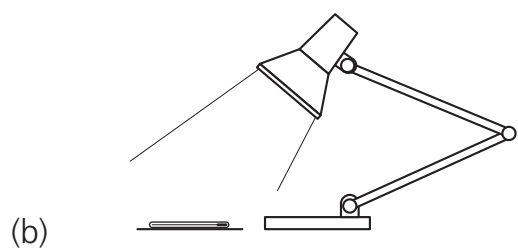
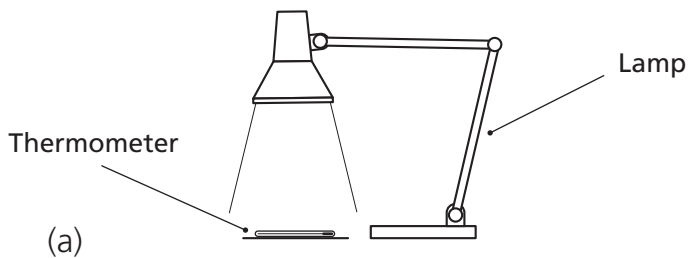
Name: ..... Form: .....

Based on pages 8 and 9 of *Earth and beyond*

# Investigating heat rays

Try this...

1. Put a thermometer on a piece of black paper and record its temperature.
2. Set up a desk lamp thirty centimetres above the thermometer, as shown in diagram (a), and leave it switched on for five minutes.



3. Record the temperature of the thermometer, then switch off the lamp and let it cool.
4. When the thermometer has returned to its original temperature, and the lamp is cool, set up the desk lamp as shown in diagram (b). Make sure the thermometer and lamp are about the same distance apart as before.
5. Record the temperature of the thermometer again, then switch on the lamp for five minutes.
6. Record the temperature of the thermometer then switch off the lamp and let it cool.
7. On the back of this sheet, or on a separate piece of paper, make a table for your results and fill it in.

## Looking at the results.

8. Describe what the results show.

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9. If you repeated the investigation with the light rays slanting even more how would you expect the temperature of the thermometer to change?

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