



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

Based on pages 12 and 13 of *Keeping warm and cool*

# Investigating radiation

Try this...

1. Put a lump of margarine in the middle of one sheet of black plastic. Cover it with a second black sheet. Do not press down on the margarine.
2. Put a lump of margarine in the middle of one sheet of white plastic. Cover it with another white sheet. Do not press down on the margarine.
3. Place the two sheet and margarine 'sandwiches' under a desk lamp and leave them for ten minutes.
4. Remove the sets of sheets from under the desk lamp and take off the top sheets.
5. Write down how the margarine looks on the black sheet.

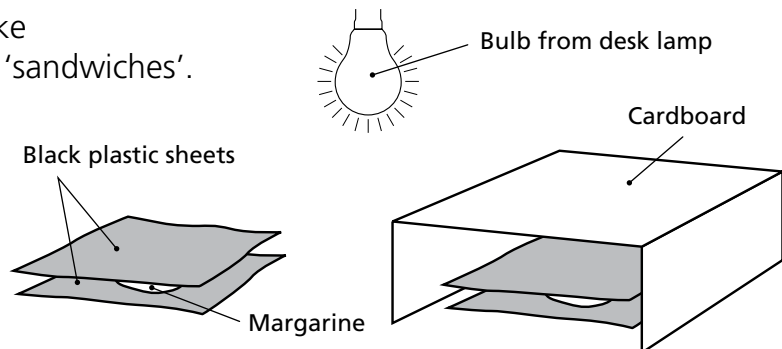
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6. Write down how the margarine looks on the white sheet.

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7. Repeat step one twice to make two margarine and black plastic 'sandwiches'.

8. Make a cardboard cover for one of the sandwiches by bending the edges of the cardboard sheet as the diagram shows.



9. Set up the sheets and cover as the diagram shows.
10. Predict what you think will happen to each lump of margarine in the sandwiches.

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11. Give a reason for your prediction.

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12. After ten minutes, look at the margarine in each sandwich and compare it with your prediction.

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