



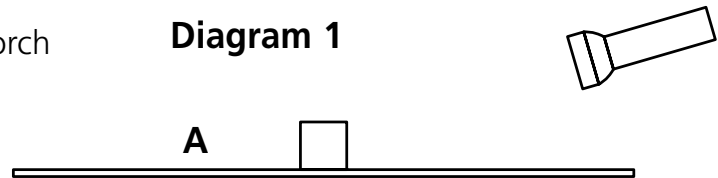
Name: ..... Form: .....

Based on pages 20 and 21 of *Light and shadows*

# Can shadows be removed?

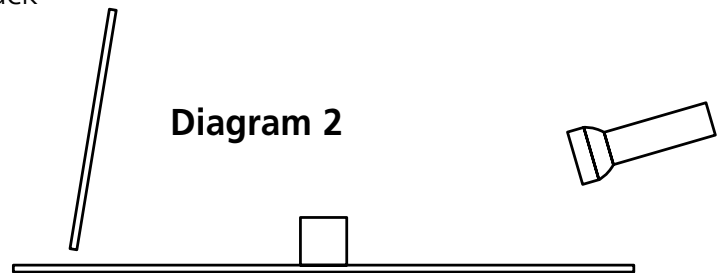
Try this...

1. Set up an object, white card and torch as Diagram 1 shows.



2. Look at the shadow that the object makes in region A.

3. Place a piece of white card as shown in Diagram 2 so that it reflects light back into region A.



4. Look at the shadow again. How has it changed?



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5. Predict what might happen if you used a mirror instead of the card.



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6. Give a reason for your prediction.



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7. Replace the card with a mirror and shine the torch again so that light is reflected back into region A.

8. What did you see? How did it compare with your prediction?



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