



Name: Form:

Based on pages 16 and 17 of *Light and shadows*

How shadows change direction

Try this...

1. Put an object in the centre of a piece of paper.

2. Decide how you will shine a torch onto the object. Diagram 1 shows one position of the torch you could use.

3. On your piece of paper, draw the outline of the shadow that you think will be made by the object when you shine the torch on it.

4. Switch on the torch and compare the shadow the object makes with your prediction.

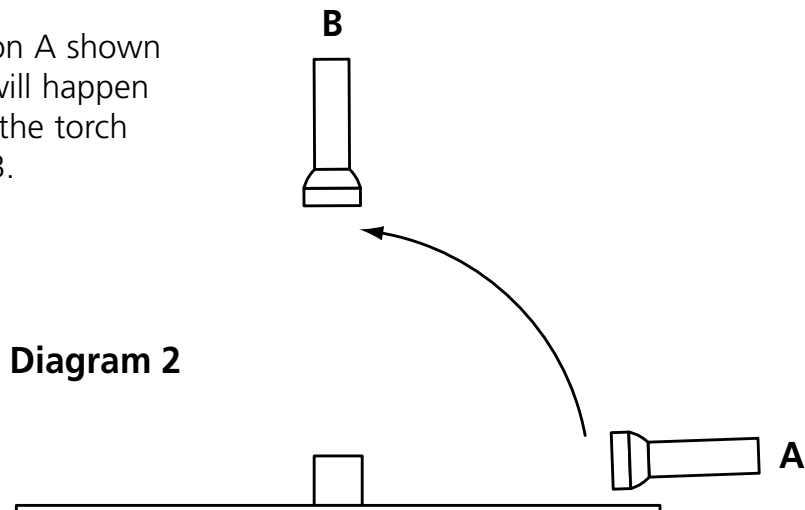
5. Repeat steps 2, 3 and 4 a few more times with the torch in different positions.

6. What do your results show?





7. Place your torch in position A shown in Diagram 2. Predict what will happen to the shadow as you move the torch from position A to position B.



8. Shine your torch at position A and then move it up to position B.

9. How does the shadow change as you move your torch from position A to position B?

