

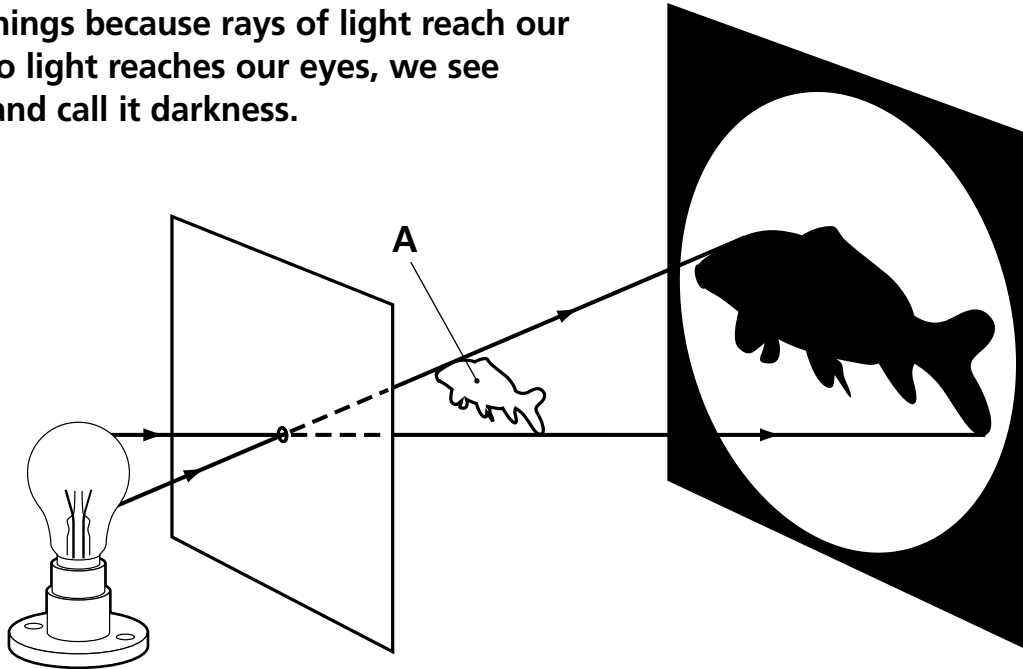


Name: Form:

See pages 6 and 7 of *How we see things*

Shadows and silhouettes

We see things because rays of light reach our eyes. If no light reaches our eyes, we see nothing and call it darkness.



Q1. The diagram shows how a bulb can be used to make a shadow of object A.

(i) How would the shadow change if you brought A closer to the lamp?



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(ii) How would the shadow change if you brought the screen closer to object A?



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Q2. What is an opaque object?



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Q3. When are shadows sharp?



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Q4. When will a shadow have fuzzy edges?



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Q5. When is the shadow of the Moon cast on the Earth?



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