

# Isaac Newton's Colour Experiments

Use the Fact Sheet above to answer these questions about Isaac Newton and his discoveries.

1. When was Isaac Newton born?

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2. Where was his home?

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3. Why did he conduct his experiment at home?

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4. How did people in the 1660s believe colours were created?

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5. What did Newton use to create a beam of light?

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6. What did his 'crucial' experiment prove?

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7. Why did Newton split the spectrum into seven colours?

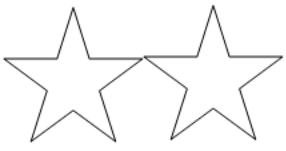
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8. What was Newton's book called and what did it explain?

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9. Which other scientists did Newton learn from?

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6. Why do you think his experiment is known as 'crucial'?

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7. What did he prove about how we see an object's colour?

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8. What was Newton's book called and what did it explain?

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9. What do you think Newton means when he says he 'stands on the shoulders of giants'?

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10. Can you think of a different caption for the sketch of Newton's crucial experiment?

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9. Can you think of a different caption for the sketch of Newton's crucial experiment?

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10. Look at this painting of Isaac Newton that hangs in the BOA Museum. What do you think he may be thinking as he carries out his crucial experiment?

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