



BUT WHY

# A Learning Guide

Best for Kindergarten to Grade 3

*But Why* is a podcast led by you, kids! It's a big interesting world out there. Kids all over the world send us questions, and we find the answers. We've created these learning guides to be used in a classroom setting or at home. Listen to each episode and use this guide to deepen your understanding of what you've heard.

Find more episodes at [butwhykids.org](http://butwhykids.org).

## Why Are Fireworks Bright?

**BIG QUESTION:** How are fireworks made? - Danika, 5



Scientists Los Alamos National Laboratory made safer, brighter colors using a different combination of chemicals in fireworks. Use color, draw and label your own special display.

\*Strontium = red

\*Boron = green

\*Lithium = pink

\*Sodium = yellow

\*Copper = blue

Draw or write  
in the box.





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**K (Know).** This podcast reminds me of:

**W (Want to know).** I want to know:

**L (Learned).** In the podcast I learned:

Ask an expert. Who?

Find a safe source. Where?

What will you ask?

What other questions do you have about this topic? How will you find the answer?

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