



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](https://butwhykids.org).

## Why Are Cactuses Spiky?

**BIG QUESTION:** Why are cactuses spiky? - Noah, Iowa



Cactus plants have a unique defense mechanism that helps protect the plant. Draw or write about how they protect themselves.

Draw or write  
in the box.





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Draw or write in the boxes.

## Why Are Cactuses Spiky?

**BIG QUESTION:** Why are cactuses spiky? - Noah, Iowa

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

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

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

Blank box for K (Know) response

Blank box for W (Want to know) response

Blank box for L (Learned) response



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?

Blank lines for asking an expert

Blank lines for finding a safe source

Blank lines for what to ask