

Selecting a Solution

After brainstorming, engineers must pick one solution. That can be hard!

First, review the list of solutions to stop the spread of germs that your group brainstormed on the [Brainstorming Solutions](#) handout.

Next, discuss these questions with your group:

- **What problem** are we solving?
- **Who** is it for?
- What are the **limitations**?

Write the answers to these questions here:

What problem are we solving?	
What are the limitations?	Who is it for?

Do this next part on your own. Look at your list of ideas from the *Brainstorming Solutions* handout. Which idea or ideas do you think works best?

The idea works best if it:

- Solves the problem
- Works with the limitations (It's do-able!)
- Meets the need of people

Use the sentence stem to support your idea(s). Tell your group why your idea will work best:

I think the solution of

will work best because

Then, with your group, select the solution that is the best. Have each person share their solution and why they chose it.

List the solution your group picked here:

Why did your group choose that solution?

Next, discuss these questions with your group:

- **What** do we want to design?
- What is our **goal**? (How will it help keep someone healthy?)

Start outlining your solution in the boxes below:

What do we want to design? Use words to describe it here:

What do we want to design?
Draw/sketch it here:

How will our solution help slow the spread of germs that make us sick?