

"But I Need Something because I'm Sick"

People often use antibiotics for conditions that they cannot treat. For example, people sometimes take an antibiotic for a viral infection like a cold. To add to this problem, doctors sometimes prescribe antibiotics "just in case." Or they prescribe antibiotics that target many types of bacteria when an antibiotic that only targets the bacteria causing the infection would be more suitable.

Use the model we developed to explain why the unnecessary use of antibiotics can increase everyone's risk for developing an antibiotic-resistant infection.

Can you **construct and support an explanation** for how and why unnecessary use of antibiotics could contribute to the antibiotic-resistance problem?

- Refer to the Class Consensus Model to help you organize your thinking.
- Use your science notebook and Model Tracker as a source of evidence and science ideas.

Question

Clarify what we want to answer.

Question:

Argument

Make and support a claim.

Claim (answers the question with a *how* or *why* explanation):

Support (relevant evidence and how the evidence links to science ideas):

Check:

- ✓ The claim answers the question
- ✓ The support includes evidence from labs, readings, videos, or other sources
- ✓ The support includes science ideas that we agree on
- ✓ Each piece of evidence is linked to a science idea