



# Agar Experiment Student Worksheet: Conclusions

1. Antibiotics don't cure the cold or flu, what should the doctor recommend or prescribe to patient A to get better?

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2. Methicillin used to be used to treat a Staphylococcal infection, what would happen to Patient C's infection if they had been prescribed Methicillin?

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3. If you had some amoxicillin left over in your cupboard from a previous chest infection, would you take them later to treat a cut on your leg that got infected? Explain your answer.

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4. Patient D doesn't want to take the prescribed flucloxacillin for their wound infection.

"I took more than half of those pills the doc gave me before and it went away for a while but came back worse."

Can you explain why this happened?

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# Agar Experiment Student

## Worksheet: Conclusions

1. Antibiotics don't cure the cold or flu, what should the doctor recommend or prescribe to patient A to get better?
  - A) Antibiotics can be used to treat viral infections, the doctor should prescribe antibiotics.
  - B) Antibiotics can only be used to treat bacterial infections; the cold or flu is caused by a virus. The doctor should prescribe medicines to help with the symptoms.
  - C) The doctor should prescribe antifungals.
2. Methicillin used to be used to treat a Staphylococcal infection, what would happen to Patient C's infection if they had been prescribed Methicillin?
  - A) Nothing. MRSA is resistant to antibiotics.
  - B) Patient C would have gotten better; their infection would have gone away.
3. If you had some amoxicillin left over in your cupboard from a previous chest infection, would you take them later to treat a cut on your leg that got infected? Explain your answer.
  - A) No, you should never use other people's antibiotics or antibiotics which have been prescribed for a previous infection. There are many different types of antibiotics which treat different bacterial infections. Doctors prescribe specific antibiotics for specific illnesses and at a dose suitable for that patient. Taking someone else's antibiotics may mean your infection does not get better.
  - B) No, you should get some new medicine.
  - C) Yes.
4. Patient D doesn't want to take the prescribed flucloxacillin for their wound infection.

"I took more than half of those pills the doc gave me before and it went away for a while but came back worse."

Can you explain why this happened?

- A) Patient D should not have taken their medicine.
- B) Patient D should only have taken one pill.
- C) It is very important to finish a course of prescribed antibiotics, not just stop halfway through. Failure to finish the course may result in not all the bacteria being killed and possibly becoming resistant to that antibiotic in future.