

*Examples
of Student
Work*

Search for Antibiotics

What to do...

- 1) Inoculate your dish with the given bacteria.
- 2) Divide the dish into quads, and label appropriately.
- 3) Punch out four cardboard discs.
- 4) Prepare your four antibiotics...
 - If it is liquid - easy! Just dip the disc and plant it on a quad.
 - If it is a solid, add distilled water (just a little), and grind it to a pulp in a mortar bowl, then dip a disc, and plant it on a quad.

Write Up...

Title

Purpose of the lab.

Procedure

- 1) Here, just describe what your germ was.
- 2) What your antibiotics are and why you chose each of them.
- 3) How you prepared the samples.

Results

- 1) Sketch the appearance of the dishes a day after inoculation.
- 2) Provide a record of what is on which quad.
- 3) Indicate the Z.I. of each sample.

Conclusion

- 1) Explain in a couple of paragraphs, which samples show promise as antibiotics, and which samples do not show promise.
- 2) Explain in a couple of paragraphs, why we scientists need to keep looking for more antibiotics - what happens to the germs, how are doctors and patients making the problem worse?

