Koch’s Postulates Notesheet C. Kohn, Waterford WI

Name: Hour Date:

Date Assignment is due: Why late? Score: + ✓ -
 Day of Week Date If your project was late, describe why

 **Weekly Schedule: See Board and record**
Mon

Tues

Wed

Thurs

Fri

If you had to prove that a pathogen was the cause of a disease, what is the first thing you would do to prove that this *particular pathogen* is the cause of the disease?

What is the next thing you would do?

How would you confirm without any doubt that this organism was the cause of a disease?

How would you prove that another organism *couldn’t* be the cause of the disease?

Circle one: *I have learned some of this material in previous classes.* Definitely – Yes – Sort of - No

Circle one: *I need to review my notes & practice before the quiz.* Definitely – Yes – Sort of - No

Circle one: *I have never seen or heard of some of these concepts.* Definitely – Yes – Sort of - No

Circle one: *This may be a challenging unit for me personally.* Definitely – Yes – Sort of - No

**Directions**: Use the accompanying PowerPoint (<http://bit.ly/kochs-postulates>) to complete this sheet. This sheet will be due upon the completion of the PowerPoint in class. These assignments are graded on a +/√/- scale.

1. Who was Robert Koch?

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2. When was he born?
3. As the District Medical Officer, one of Koch’s primary concerns was

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4. What did Koch use as his medical laboratory?
5. Koch hypothesized that , a gram bacterium, was the cause of the anthrax disease.
6. How did Koch prove this was the cause of the anthrax disease?

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7. Koch then sought to prove that that had no prior contact with animals could

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8. Koch grew the in pure over several generations; he then showed that

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9. What key things did Koch invent for diagnostic bacteriology? Koch invented the method of

\_ , using as his source of nutrients for

 and created a that could be

 created by his colleague Petri.
10. What are Koch’s Postulates?

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11. Write Koch’s Postulates below:

1\_

2a\_

2b\_

3\_

4\_

5a\_

5b\_
12. What are 5 exceptions to Koch’s Postulates?

1\_

2\_

3\_

4\_

5\_
13. List and describe 4 disease classifiers:

1\_

2\_

3\_

4\_
14. What is the difference between a clinical and subclinical disease?

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Unit Wrap-up C. Kohn, Agricultural Sciences - Waterford WI

This page is designed to help raise your grade while enabling you to develop skills you will need for after high
school. You will need to complete every question and blank in order to receive full credit for your notes. Note: if you cannot come up with a strategy to remember a difficult concept on your own, see your instructor for help.

1. What is a topic or concept from this unit that you found to be more challenging? Write or describe below:

In the space below, create a mnemonic, rhyme, analogy, or other strategy to help you remember this particular concept:
2. What is a 2nd topic or concept from this unit that you found to be more challenging? Write or describe below:

In the space below, create a mnemonic, rhyme, analogy, or other strategy to help you remember this particular concept:
3. What is a 3rd topic or concept from this unit that you found to be more challenging? Write or describe below:

In the space below, create a mnemonic, rhyme, analogy, or other strategy to help you remember this particular concept:
4. Circle the most appropriate response. You will only be graded on whether or not you completed this section, so be entirely honest with yourself when completing this section.

Circle one: *I used my notes outside of class to prepare for the quiz.* Definitely – Yes – Sort of - No

Circle one: *I took extra notes in the margins for very difficult concepts.* Definitely – Yes – Sort of - No

Circle one: *I created a personal strategy for at least three difficult items.* Definitely – Yes – Sort of - No

Circle one: *I was very involved and actively studying during the quiz review.* Definitely – Yes – Sort of - No

Circle one: *I think I will be satisfied with the quiz grade I received this week.* Definitely – Yes – Sort of - No

Circle one: *I might need to meet with the instructor outside of class.* Definitely – Yes – Sort of - No