

# Anthrax

Name:  
Period:  
Mr. Z.'s Science Class  
9/17/08

Today in class we heard the story of Robert Koch, who discovered that the anthrax bacterium multiplies quickly inside cows until it kills them.

1. Roughly every hour, each bacterium splits into two bacteria. Suppose there is just one bacteria to start with. Fill in the chart to show how many there will be as time goes by.

Start	1 hour	2 hours	3 hours	4 hours	5 hours	6 hours	7 hours	8 hours	9 hours	10 hours
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2. Refer to the chart you just filled in to tell me: Why are there very few symptoms of anthrax until the cow is almost dead?

3. Why is anthrax able to grow so quickly inside a cow?

4. If a single bacterium of anthrax gets into a cow, is the cow always doomed? Explain why or why not.

