

I. Define:

Microorganism: _____

II. Reading Comprehension

1. How many microorganisms call your body home? _____
2. Where do they live?

3. Most of the microorganisms in your body are _____.
4. Most bacteria are made of _____ cell(s).
5. How many different kinds of bacteria live in and on your body? _____
6. What are the basic needs of bacteria?
 - a. _____
 - b. _____
7. What is the human microbiome?

8. How much does the average human's microbiome weigh? _____
9. How does the number of bacteria in your microbiome compare to the number of people living on Earth?

10. What are two important jobs that bacteria do for your body?
 - a. _____
 - b. _____
11. How can harmful bacteria get into your body?
 - a. _____
 - b. _____
 - c. _____
12. What is an infection?

13. What does the *C. jejuni* bacteria do to your body?

14. What are some symptoms of *C. jejuni* poisoning?

15. These are all symptoms of... _____
16. What are antibiotics?

17. Antibiotics don't just kill harmful bacteria- they
_____.
18. Taking antibiotics changes a person's _____.

III. Write one "I wonder..." question or comment in the margins of each section in your article.

IV. Illustrations and Captions

1. Describe the bacteria shown in the picture of the tongue.

2. What lives in the eyelashes and how big is it? Is it harmful?

3. What causes food poisoning?

4. What does the "gut" include? How big are the bacteria in the gut?

V. Chart Analysis

1. What is the title of the chart?

2. How many total bacteria are represented in this chart? _____

3. How many different types of bacteria are in the gut? (not including "other")

4. Which species is the most abundant (largest amount) bacteria in the gut?

5. What is the function of this species of bacteria (i.e. what does it do for the body?)

6. What is the second most abundant bacteria in the gut and what does it do?

7. What bacteria digests molecules in milk? _____

VI. Making Sense

1. Describe how your body is a habitat for microorganisms living in and on you.

2. Symbiosis is a relationship between different species living in close contact with each other where both populations benefit. Explain how we live in symbiosis with the bacteria in our bodies.

3. How can antibiotics have a long-term negative effect on your gut microbiome?

4. Daria goes to the doctor because she has a bad sinus infection. Her doctor prescribes an antibiotic and she takes it for 10 days. Her sinus infection clears up, but now Daria gets a stomach ache whenever she drinks milk. Explain what could have happened.
