



Worksheet: What If Humans Had a Cow's Stomach?

Name: _____

Date: _____

Part A: Multiple Choice

1. What is the main function of the human digestive system?

- A. To pump blood around the body
- B. To break down food and absorb nutrients
- C. To help us breathe
- D. To produce hormones

Answer: _____

2. How many chambers does a cow's stomach have?

- A. One
- B. Two
- C. Three
- D. Four

Answer: _____

3. Which stomach chamber is mainly responsible for fermentation?

- A. Abomasum
- B. Omasum
- C. Rumen
- D. Reticulum

Answer: _____

4. Why can't humans digest grass?

- A. Humans do not have teeth.
- B. Humans cannot chew food.
- C. Humans lack the microbes needed to digest cellulose.
- D. Grass is poisonous to humans.

Answer: _____

5. If humans had a cow's stomach, they would most likely be able to...

- A. Fly
- B. Digest grass more efficiently
- C. Breathe underwater
- D. Sleep less

Answer: _____

Part B: True or False

6. Humans have a four-chambered stomach.

☐ True ☐ False

7. Cows rely on microbes to help digest cellulose.

☐ True ☐ False

8. The small intestine is where most nutrients are absorbed.

☐ True ☐ False

9. A cow spends time chewing cud after eating.

☐ True ☐ False

10. Having a cow's stomach would only have advantages and no disadvantages.

☐ True ☐ False

Part C: Short Answer

11. State one difference between the human digestive system and the cow digestive system.

12. Why is the rumen important in a cow's digestive system?

13. Name one advantage humans might gain if they had a cow's stomach.

14. Name one disadvantage humans might face if they had a cow's stomach.

15. Critical Thinking

Imagine humans had a cow's stomach. How do you think our daily diet and lifestyle would change?