**Why do we pass gas?**

**A picture containing ground, outdoor, text

Description automatically generated**By: Purna Kashyap

<https://tinyurl.com/passgas19>

1. **How much gas does an average person make per day? (1)**
   1. 200-300 mL/day
   2. 1500-2500 mL/day
   3. 500-1500 mL/day
   4. 600-1200 mL/day
2. **Most individuals can pass gas \_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_ times per day. (1)**
3. **The majority of gas comes from: (1)**
   1. Beans
   2. Air ingested during sleep
   3. Bacteria in our intestines as they digest parts of food that we cannot
   4. What gas? I don’t fart
4. **Trillions of bacteria live in a symbiotic relationship with humans. Why is this beneficial? (1)**
   1. Humans provide them a safe place
   2. Humans provide them with vitamins B and K
   3. Humans supply them with food
   4. Both A and C
5. **Gut bacteria get their nutrition primarily from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ food such as carbohydrates and proteins. (1)**
6. **The most common products of gastrointestinal fermentation are: (1)**
   1. Smelly and foul
   2. Odorless
   3. Toxic
   4. Volatile
7. **The smell humans produce from flatulence is due to: (1)**
   1. Hydrogen gas
   2. Carbon dioxide gas
   3. Methane gas
   4. Sulfur compounds
8. **Name two foods that may give you more flatulence when consumed? (2 points)**
   1. **b)**
9. **Methanogens use carbon dioxide and hydrogen produced by other bacteria to generate (produce) methane. As a result: (1)**
   1. The gas volume in your intestine increases
   2. The gas volume in your intestine stays balanced
   3. The gas volume in your intestine decreases
   4. There is little to no effect on gas volume
10. **A common example of abnormal increased flatulence is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1 point).**
11. **Why are some people lactose intolerant? (1)**
12. **Most gas is produced as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ result of bacterial fermentation in the intestine and indicates \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ functioning of the gut. (2 points)**