

METHANE EMISSIONS

(26TH JANUARY 2023)

BILL GATES WANTS TO REDUCE METHANE FROM COW BURPS



We all know that cars and factories produce a lot of greenhouse gas. Not many of us know that livestock such as cows, deer and goats also create emissions. These farm animals are responsible for a lot of the world's methane. This is the most common greenhouse gas after carbon dioxide (CO₂). Billionaire Bill Gates decided to do something about the methane these animals belch out. He invested in a technology start-up that aims to reduce the amount of methane coming from animal burps. The tech company is called Rumin8. It is located in Australia. It has now created a synthetic, seaweed-based dietary supplement for animals. The company says its supplement stops the creation of methane in animals' stomachs.

Bill Gates is the co-founder of the tech giant Microsoft. He spends a lot of his money on projects that help the environment. He believes the farming of animals for meat should be reduced because of the impact it has on climate change. He says one third of all greenhouse gas emissions comes from livestock production. A spokesperson for Mr Gates' energy investment company spoke about the benefits of the new synthetic dietary supplement. He said: "Rumin8 offers a low-cost toolbox that has already proven to be effective in reducing emissions." He added: "Our team will support Rumin8 in working closely with farmers to expand the reach of this solution globally."

CHAT

GREENHOUSE GAS	1
LIVESTOCK	2
FARM ANIMALS	3
METHANE	4
BILL GATES	5
DIETARY SUPPLEMENT	6
ENVIRONMENT	7

DISCUSSION

1. What did you think when you read the headline?
2. What images are in your mind when you hear the word 'cows'?
3. What do you know about methane?
4. How worried are you about greenhouse gases?
5. Should we eat less meat to reduce the need for livestock?
6. What do you do to help the environment?
7. What do you think of the dietary supplement?
8. Do you think human burps add to climate change?
9. What might animals think of the seaweed-based supplement?
10. Do you take dietary supplements?

SPECIAL POINTS OF INTEREST:

- We all know... . Not many of us know ...
- The most common .. after
- Spend
- Theof



RANKING

Rank these with your partner. Put the worst industries for the climate at the top.

- Livestock farming
- Steel production
- Aviation
- Fashion
- Mining
- Sport
- Tourism
- Shipping

Write your reasons to explain:

1- _____

2- _____

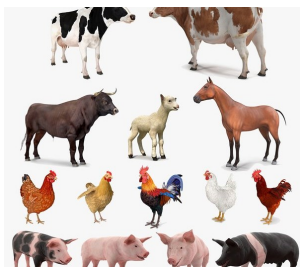
3- _____

VOCABULARY (PARAGRAPH 1)

Rumin8 offers a low-cost toolbox that has already proven to be effective in reducing emissions."

- 1) Factory
- 2) Livestock
- 3) Emission
- 4) Common
- 5) Belch
- 6) Synthetic
- 7) Supplement

VOCABULARY (PARAGRAPH 2)



- 1) Founder
- 2) Giant
- 3) Impact
- 4) Investment
- 5) Benefit
- 6) Effective
- 7) Expand

WRITE YOUR OWN QUESTIONS!

STUDENT'S QUESTIONS



- (a) _____
- (b) _____
- (c) _____
- (d) _____
- (e) _____

ROLE PLAY

Billionaire Bill Gates decided to do something about the methane these animals belch out.

You think aviation is the worst industry for the climate. Tell the others three reasons why.

- 1 _____
- 2 _____
- 3 _____

You think tourism is the worst industry for the climate. Tell the others three reasons why.

- 1 _____
- 2 _____
- 3 _____

You think mining is the worst industry for the climate. Tell the others three reasons why.

- 1 _____
- 2 _____
- 3 _____



WRITE THE MISSING LETTERS!

W_ _ll kn_w th_t c_rs _nd f_ct_r_s pr_d_c_ _ l_t _f gr_nh_s_ g_s. N_t m_ny _f _s kn_w th_t l_v_st_ck s_ch _s c_ws, d_r _nd g_ts _ls cr_t_ _m_ss_ns. Th_s _f_rm _n_m_ls _r_r_sp_ns_bl_ _r_ l_t _f th_ w_rld's m_th_n_. Th_s _s th_ m_st c_mm_n g_r_nh_s_ g_s _ft_r c_rb_n d_x_d_ (C_2). B_ll_n_r_ B_ll G_ts d_c_d_d t_ d_s_m_t h_ng _b_t th_ m_th_n_ th_s _n_m_ls b_lch _t. H_ _nv_st_d _n _t_chn_l_gy st_rt_p th_t _ms t_r_d_c_ th_ _m_nt _f m_th_n_ c_m_ng fr_m _n_m_l b_rps. Th_ t_ch c_m_p_ny _s c_ll_d R_m_n8. _t _s l_c_t_d _n _str_l_. _t h_s n_w cr_t_d _ synth_t_c, s_w_d- b_s_d d_t_ry s_ppl_m_nt _r_ _n_m_ls. Th_ c_m_p_ny s_ys _ts s_ppl_m_nt st_ps th_ cr _t_n _f m_th_n_ _n _n_m_ls' st_m_chs.

Look in your dictionary / computer to find collocates, other meanings, information, synonyms ... for the words.

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Cow

To breed a cow / to milk a cow / chew the cud / graze /

Beef cow / dairy cow / cowshed

Moo /calve /

A herd of cows

Holy cow!

Cowpat = cow chip / cow manure = muck

Burp

Eruct = belch

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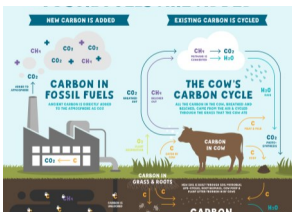
“Men are not so much the keepers
of herds as herds are the keepers of
men.”


Eshragh

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WRITING

Write about **Methane emissions** for 10 minutes.



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