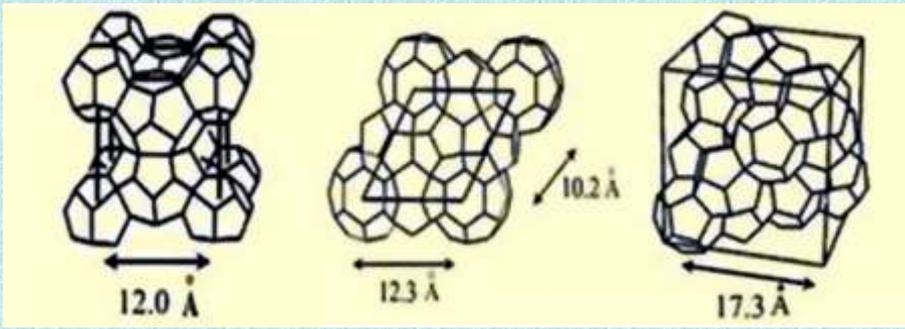




( - ( . 2, 3).  
 ) -  
 160-180  
 M·n·H<sub>2</sub>O, n - [2].  
 n - ( ).  
 [1, 2].  
 ( .1)[2].  
 ( .4).  
 XVIII .  
 1810 .[2].  
 (CH<sub>4</sub>, C<sub>2</sub>H<sub>6</sub>, C<sub>3</sub>H<sub>8</sub>, CO<sub>2</sub>,  
 N<sub>2</sub>, H<sub>2</sub>S .)

[www.sciencefirsthand.ru].



. 1.

[2, .2].

[2].

60

20?

3,5

, 30%-

CaCl<sub>2</sub>,

[2].

[2, 5].

« ».

30-

60- . . . . . 1946 .

1971 . . . . .

[3].

1972 . . . . . 665

( . . . . . 4).



. 2.



. 3. [www.tusovo.com].

$\sim 17 \cdot 10^{12} \text{ }^3$ .

$1,4 \cdot 10^{13} - 3,4 \cdot 10^{16} \text{ }^3$ ,

$- 3,1 \cdot 10^{15} - 7,6 \cdot 10^{18} \text{ }^3$

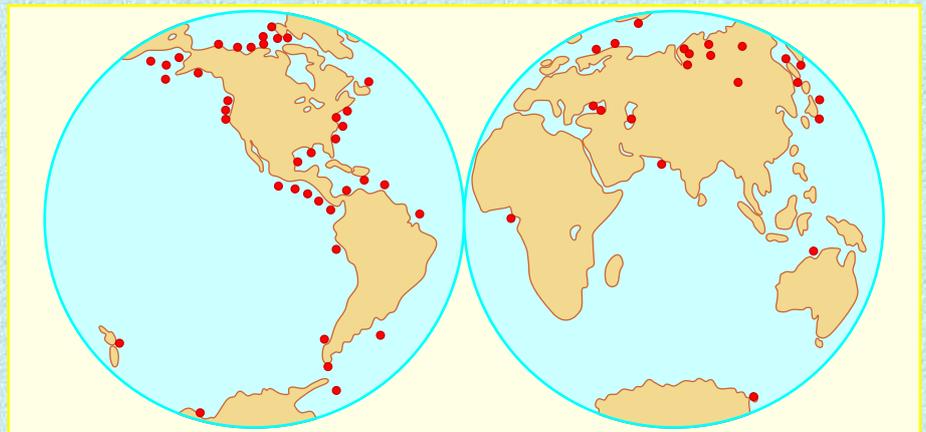
$2,1 \cdot 10^{16} \text{ }^3$ .

10%

[6].

$\sim 5 \cdot 10^{11} \text{ }^3$ .

( 200 ).



. 4.

[4, . 19].

[7].

1 3 ), ( 180 3  
[8].

[6].  
( )  
( )

70-90-

( . 5, 6).

0?  
[8].

[10].

[11].

[12].

[13].

[14].



. 5.

( ) , 1977 .).

0?

( = 3,3 · 10<sup>3</sup> )<sup>2</sup>,  
( = 8,8 )<sup>2</sup>.  
( = 1,2 · 10<sup>2</sup> )<sup>2</sup>.

[8].

1)

2)

– depressurization);

