

MyH^Hna^bHoe Srog^eTHoe o6^eo6pa30BaTe^bHoe ynpe^geHHe
"CpegHHH o6^eo6pa30BaTe^bHaH wbo.ia n. BHTHM"

***Boda -
ee^ecmeo npuebMHOe
u HeodbMHOe***



**Pa6oTy BMno^HHna:
yneHH^ 8 «A» Kaacca
nogoaaH noaHHa**

BHTHM 2021 r.

Bofla - Beu^ecTBO, 6e3 KOTopopo >KM3Hb Ha HeB03 MO>KHa no MMGHH 3eM/m.



Boga - ogHo U3 caMHx pacnrocpraHeHHwx Be^ecra B npyoge (ryrroc^epa 3aHUMaeT 71 % noBepxHocy 3eMau). Boge nnyHagae^uT Ba^Heamaa poab B reoapuu, ucropuu naaHeTw. Ee3 Bogw HeBo3Mo*Ho cy^ecraoBaHue *HBUX opauU3MoB. Hu gaa Koro He ceKpeT, HTO aeaoBeK COCTOUT Ha 80% U3 Bogw. ^TO 3ByauT ygyBureabhO, HO ^TO TaK. PacnpegeaeHa Boga B opauU3Me HepaBHOMepHO. Eoabme Bcero Bogw cogep^uT Mo3p aeaoBeKa — OH COCTOUT U3 Bogw Ha 95%, KpoBb — Ha 82% u aerKue — Ha 90% . npaKTuaecku Bce 6uoxuMuaeckue pea^uu B Ka^gon *UBOH KaeTKe - ^TO pea^uu B BogHwx pacTBopax. B pacTBopax *e (npeHMy^ecraeHHo BogHwx) nnoTeKaeT 6oabmuHcTBo TexHoapuaeckux nno^ccoB Ha npegnpuaTuax xumuuaeckOH nnoMwmaeHHocy, B npou3BogCTBe aeKapCTBeHHwx npenapaToB u nu^eBbix nroyKToB. H B MeTaaupuu Boga ape3BwaaHHo Ba*Ha, npuaeM He ToabKo gaa oxaa^geHua. He cayaaHHo ryrpoMeTaaupua - u3BaeaeHue MeTaaaoB u3 pyg u KoH^mpaTOB c noMo^bK pacTBopoB pa3auHHwx peapeHToB - cpaaa Ba^Hoa oTpacabK nnoMwmaeHHocy.

«Bo BceM Mye HeT Huaero 6oae MarKoro u nogaTauBoro, aeM Boga. Ho oHa ToauT TBeproe u KpenKoe. HHKTO He Mo*eT ee ogoaeTb, xoTa apooa Mo*eT ee no6eryTb. nogaTauBoe no6e*gaeT KpenKoe. MarKoe ogoaeBaeT TBeproe. Bce ^TO 3HaKT, HO HHKTO He ocMeuBaeTca geacTBoBaTb TaK», - nucaa o Boge 6oae gByx c noaoBUHoa TwcaaeaeTua Ha3ag KUTaacKua \$uaoco\$ Hao-^w.

YaeHwe a6coaropao npaBw: HeT Ha 3eMaie Be^ecraa, 6oae Ba^Horo gaa Hac, aeM o6wKHobeHHaa Boga, u B To*e BpeMa He cy^ecrayeT gpyopo TaKoro Be^ecraa, B cBoacraax KoToporo 6wao 6w croabKo nnoTUBoepaua u aHoMaaua, cKoabKo B ee cBoacraax.

Вода Вещество обильное МЖМ

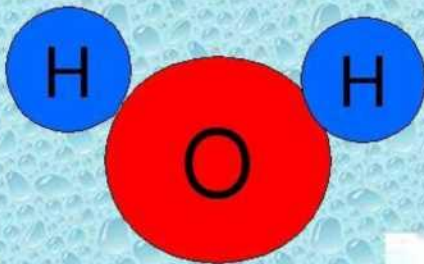
• **Необильное**
 riOHTM % / no Beu HOCTM Hanzen nnaHeTbi
 3aHTHO OKeaHamM H MOpaMM. TBepfIOM
 BOflOM —
CHeroM H nbflOM — noKpbuo 20% CyillM. OT
BOflbi 33BHCT KJIMMaT nnaHeTbi.
reocpH3m<n yTBep>KqaKDT, MTO 3eMnn
ABBHO 6bi ocTbina H npeBpamnacB B
6e3>KM3HeHHbm KyCOK K3MHH, ecjin
6bi He BO,qa. y Hee oneHb SonbLuan
TenneMKOCTb. HarpeBancb, OHa
nornou^aeT Tenno; ocTbiBan, OT,qaET ero.
3eMHa BO,qa H nornou^aeT, H
B03BpamaeT MHOTO Tenna H TeM
caMbiM "BbipaBHHBaeT" KnmviaT.
 OT KOCMHneckoro xonofla npefloxpaHeT
 3eivmio Te MoneKynbi BOflbi, KOTopbie
 pacceHbi B aTMOccjDepe-obnaKa H napbi



«наМНТб» BOgbl

Вода -nojyiMHHое nyго npurogbi.

• CTpoeHne MoneKynbi BOflbi.



OHa COCTOMT M3 AByX aTOMOB BOflIOpOaA M
 OAHoro aTOMa KMcnopoAa.



BOAB B TBepAOM COCTOHHMM



BOAS B XMAKOM
 COCTOBHMM.

Вода Бра30обра3НОМ сост
он HUM

Y 3eM/iM ecTb cнnoLUHan «BoяHa»
 обо/IOMKa
rnгpoccepa,
KOTopyK) oбpa3yeT BOAS,
HaXOA^LilpBCB B TpeX
COCTOBHMBX.

РемреНОВСКИХ аНану3 срыКТурв Богв ноКаЗан, НТО *угКaa Boga 6ну*е по СБоен СТурКType К ТБеггвМ ТенаМ, а He К раЗам, ноконбКы В паЗМе^eHuu MoneKyn Bogw aBHo нрочне^uBanacb HeKoTopaa перынапHocrb - 6ну*HuM нopагоК, хараКТepHHH гна ТБеггвх Ten. ^TOT 6ну*HuM нopагоК, нруHaTo онуcwBaTb ТаКуМ ноHaTueМ KaK МуКpoKnacreпw, КОТОРВМУ HaЗwBaroT He6онbmue ycroHHyBwe coBoKynHocrу MoneKyn Bogw. нру ^TOM yHeHwe BwacHуну, НТО y Богw, nonyHeHHон, К нруMepу, В peЗынбTaTe TaaHua nbга u y Богw, nonyHeHHон нyreM KOHгeHca^uu napa, СТурКType 6ну*Hero нopагKa 6yгeT паЗнуHHaa - ux МуКpoKnacreпw 6yгyT uMeTb паЗHoe CTpoeHue. ОнwT ноKaЗwBaeT, НТО Ha *uBwe opraHyЗMw 6нapoTBopHoe BнuaHue oKaЗwBaeT uMeHHo Tanaa Boga.

СТурКTypeHwe паЗнуHua Богw coxpаHapoTca B TeHeHue onpegeneHHoro BpeMeHu, НТО ноЗBonуно yHeHWM poBopуTb o ЗарагоHHoM MexaHyЗMe "naMaTu" ^TOH yгуBUTenbHon ^yгKocrу. He BWЗwBaeT coMHeHue TOT \$aKT, НТО Boga HeKoTopoe BpeMa "noMHuT" ocy^ecraneHHoe Ha Hee \$уЗuHeчKoe BoЗгeMчTBue, u ^Ta "ЗанucaHHaa" B Boge uH\$opMa^ua oKaЗwBaeT BнuaHue Ha *uBwe opraHyЗMw, B TOM Hucne Ha HenoBeKa. Begb, KaK y*e poBopуноcb, B cocTaB Tena нрo6opo opraHyЗMa Boga BxогyT B BecbMa ЗHaHyTenbHwx KonyHeчTBax. HTaK, Boga cнoco6Ha coxpаHaTb B CBoen "naMaTu" паЗHoo6паЗHwe \$уЗuHeчKue BoЗгeHчTBua - ^TO MO*HO чHuTaTb y*e HayHHo гoKaЗaHHWM \$aKTOM. Ho ^TO yгуBUTenbHoe CBOHCTBO Богw oHeHb 6нуЗKo K ToMy, HeM HayKa y*e He ЗаHyMaeTca, HO НТО uЗBecTHo u3 онwTa гyxobHon *uЗHy HenoBeчeчTBa: Boga Mo*eT 6wTb "xpаHyTenbHy^H" u гyxobHwx BoЗгeHчTBuH. YHCHWX oHeHb ЗауHTepecoBano ^TO CBOHCTBO Богw u OHU pemуно нрoBecTu uцчнeгoBaHue - KaK BнuaeT Ha ЗгopoBbe peHb, HanonHeHHaa HenпунуHHwMu Bwpa^eHuaMu, HenпycpoHHwMu cноBaMu, 6paHbro.

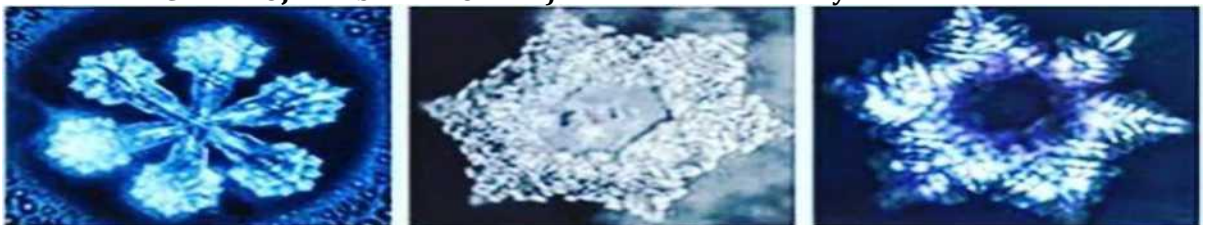
ног гeHчTBueM ЗByKoB, B TOM Hucne u HenoBeчeчKon peHu, MoneKynw Богw (a Hame Teno нруMepHo Ha 80% COCTOУT uЗ Hee) HaHyHapoT BwчTpaуBaTbca B cнo^Hwe cpyKType. H B ЗаBучуMocTu OT пуTMa u CMWCHOBOH HapуЗKu ^Tu cpyKType MoryT HeHyTb, u Hao6opoT, oTpaBнаTb opraHyЗM.

B 20-М BeKe аноHчKун yHeHwn Macapy ^MOTO HayHHo гoKaЗан, НТО Boga He TonbKo BocпpуHuMaeT uH\$opMa^uro, HO Mo*eT MeHaTbca ног BoЗгeHчTBueM cноBa u ga*e Mwcну. C noMo^bro HoBenmero o6opyгoBaHua OH cMor ЗаMopoЗyTb u c^oTpaCTpyKTypeBaTb MeKанHyeHTы KMOH poЗдecoфoM MeKанHyeHTeJ1 EM ypoBHe, ero нopaЗuno. Ha \$OICapyeTocTBoHOBaHocTbMHa паЗHon \$opMw u HeTKocrу, c Bугy oHeHb noxoBaeTяCЯHOBOMKHyBCTBOM, MbIC/lbK).



BoflA, KOTOPOH riEJIM BoflA, KOTOPOA TOBOPM/IM BoflA, KOTOPOA pOBOPMJA

BYAAMCKME MOJIMTBbl «BnAFOAAPK) TEBfl!» «HEHABM>Ky TEBfl!»



«CBflTAFI» BOAA M3 BoflA, KOTOPOA poBOPAHM XPMCTMAHCKOM I4EPKBM «f| JHOBAK) TEBfl!»

TAJIAA BOAA

nproucxo^geHue ^TO^o caoBa yxoguT CBOUMU KopHaMu ray6oKO B ucropuro nproucxo^geHua pyccKoro a3biKa. Bepopae Bcero, OHO o6pa3OBaHO OT npacaBaHcKoro *voda. OHO, B cBopo onepegb, BocyxouT K npauHgoBponeMcKOMy KopHpo *wed, KOTOpbIM o6o3Hanaa Bogy KaK HeogymeBaeHHyro Baary, ^ugKOCTb. OT ^TO^o KopHa o6pa3OBaaocb caoBO "Boga" BO MHOpux a3biKax Mupa:

- B 6eaopyccKOM - Baga,
- B cep6cKOM u 6oapacKOM - Boga,
- B caoBa^OM u nemcKOM - voda,
- B no^bCKOM - woda,
- B aHpaumcKOM - water u TaK gaee.

BOT noneMy Bogy Ha3Baau BogoM. B nocaepraue OT ^TO^o KopHa o6pa3OBaaocb MHO^ecpao caoB. ^a u B Hamy gHu caoBO "Boga" u ero npou3BogHbie nocpoaHHO y Bcex Ha cayxu.

Свойства воды

1. Bo/ja npo3paHHafl.
2. Bo,a,a бecy,BeTHaH.
3. Bo^a He HMeeT Заnaxa.
4. Bo/j,a npn HarpeBaHHH pacuinpHeTCH.
5. Bo,zi,a npn oxjian^eHHH c>KHMaeTCH.
6. Bo^a pacTBopHeT co/ib H caxap.
7. Boj\a He pacTBopaeT MeH H ZeM/no.
8. Bo,n,a OHHii^aeTca c noMon^bio ^HHbTpa
9. Bo,zi,a - TeKyHa.

СВОИСТВА ВОДЫ

- Вода n_{BjineTCH} у $\text{HHBepca}^{\wedge}\text{bHbiM}$ pacTBopHTejieM g/in no; rapHbix BemecTB .
- Вода o6./iagaeT 6ojibHioH
- Вода HMoeT c po3b yio $\text{Ten}^{\wedge}\text{oTy}$ HcnapeHHH ; 3TO Hcnojibajf'GTCH non TepMoperyjiHu , HH y JKHBOTHWX ($\text{noToOT}^{\wedge}\text{ejieHHe}$)
- y $\text{Bo}^{\wedge}\text{bi}$ 6ojibuaiaH $\text{Ten}^{\wedge}\text{oTa}^{\wedge}\text{niiabJieHHH}$
- C/naoTHocTb $\text{./ib}^{\wedge}\text{a}$ MeHbiue njoTHOCTH Bogbi , noaTOMy OH He TOHeT
- 3HaHHTe/ibHoe noBepxHGCTHoe HaTH>KeHHe nrpaET * Ba>KHyio pojib npr ABHHCCHHH Bo/ibi no KannnnnpaM OpraHH3MOB
- $\text{Bo}^{\wedge}\text{a}$ HBjineTxn He (f6xoAHMbiM KOMHOHCTOM $\text{MeTa6o}^{\wedge}\text{HHecKHx}$ peaKU , HH

МНТепечХбие ^aKTu o Boge

HeHobeK 6e3 Bogw Mo*eT npo^uTb He 6onee 5 gHeH.

Ham oprahH3M COCTOYT y3 Bogw 6onee aeM Ha 70%.

TeopeTuaecky, ecny 6w pacraanu Bee negHyKu Ha nnaHeTe, ypoBeHb Bogw nogHanca 6w 6onee aeM Ha 60 M. H3-3a ^TO^o 3aTonneHHwMu oKa3anucb 6w 15% cymy.

B cpegHeM Ka^gwM aenobeK e^erogHO noTpe6naeT npy6ny3urenbHo 60 TOHH Bogw.

E^e co mKonw Bee 3HarOT, HTO y Bogw ecTb 3 arperaTHwx cocpohaHua: *ugKoe, TBeproe u pa3oo6pa3Hoe. OgHaKo yaeHwe BwgenaroT 5 pa3nyHHwx cocpohaHyH Bogw B *ugKoM Buge u 14 cocpohaHyH B 3aMep3meM Buge.

Cornacho uccnegoBaHuaM, Boga ycnemHo norno^aeT uH^aKpacHyro pagua^uro.

Ha gaHHWH MoMeHT, Ha HameH nnaHeTe oKono 1 Munnuapra nrogeH numeHw BO3MO*HOCTY nuTb aucpuro Bogy. TonbKo 3a nocnegHue 50 neT y3-3a npaBa rocTyna K Boge, B Mype npou3omno 6onbme 20 BoeHHwx KOH^UKTOB.

HeCMOTpa Ha TO, HTO 3eMHa 6onee aeM Ha 70% noKpwTa BogoH, numb 1% aBnaeTca npeCHOH.

KpynHeHmuM BogueMoM npeCHOH Bogw aBnaeTca o3epo EaHKaH, HTO B Poccuu.

C geTcTba MW cnwmuM o TOM, HTO cneyeT ^KOHOMUTb Bogy. H ^TO npaBunbHo, Begb caMaa ToHKaa cTpya npyBoguT K noTepe go 1000 n Bogw e^egHeBHo.

CHer cnoco6eH oTpa^aTb nyHu CBeTa Ha 75%, a Boga nnmb Ha 5%. HMeHHO ^o^TOMy cHe^Hwe HOHU TaKue cBernwe.

YH6HWM yganocb goKa3aTb, HTO Boga uMeeT cnoco6Hocrb 3anoMuHaTb uH\$opMa^uro.

Megy3w Ha 99% cocpocT u3 Bogw.

B oKeaHax Boga uMeeT CUHUH oTTeHoK u3-3a pacceaHHoro noToKa CBepa.

Ka^gwM rog ucnanaeTca 1 TпуннуoH TOHH Bogw. ^TO Hucно BwrnaguT, KaK eguHu^ c 12 HynaMu.

B A3ep6aMg*aHe cy^ecpaeT pa3HoBugHocrb Bogw, KoTopaa Mo*eT BocnnaMeHaTbca. ^To npoucXoguT u3-3a Toro, HTO B ee cocpaBe cogep^urca MHorо MeTaHa.

no gaHHWM poHECKO, caMaa Hucraa Boga Haxogurca B OuHnaHguu.

B AHTaпKTuge o6Hapy*eHo o3epo, KoTopoe He 3aMep3aeT ga*e npu TeMnepaType - 50 pпaгыcoB. A Bce u3-3a Toro, HTO B HEM cnumKOM MHorо conu.

B An^upe cy^ecpaeT o3epo, Bory KoToporo MO*HO ucnonb3oBaTb B KaHeCTBe нучbMeHHwx HepHun.

npu MHHyc 120 pпaгыcax no ^nbcuro Boga cpaHoByTca cBepxBa3KoH unu TaryHeH, a npu TeMnepaType Hu*e MuHyc 135 pпaгыcoB oHa npeBpa^aeTca B "creKnaHHyro" Bory. "CreKnaHHaa" Boga - ^TO TBepгoe Be^ecpao, B KOTOPOM oTcyTCTByeT KпucpaHHHeCKaa cTpyKTypa, KaK B creKHe.

Boga He TonbKo gapur *u3Hb, HO Mo*eT u oTHyMaTb ee. 85% BceX 3a6oneBaHuM B Mype nepegaeTca c noMo^bro Bogw. E^erogHo 25 MnH HenoBeK yMupaeT OT ^Tux 3a6oneBaHuM.

Boga Mo*eT 6wTb 6ecннаTHoM, a Mo*eT 6wTb u oHeHb гopopoM. CaMaa гopopaa B Mype Boga npogaeTca B Hoc-AHr^enece. npou3BoryTenu yнаKoBWBapOT гпарo^HHyro ^ugKocrb co c6anaHcupoBaHHWM BKыcoM B 6yTwnKu co cpa3aMu "Swarovski". CTOUT TaKaa Boga 90 \$ 3a 1 n.

Begpa gna Bogw u3poTaBnuBarOT B \$opMe Kohyca gna Toro, HTO6W ux He pa3opBano npu cnyHaHHoM 3aMep3aHuu Bogw.

^na npou3BогcTBa 1 TOHHW cTanu Tpe6yeTca 300 TOHH Bogw.

YHeHbie cHuTapoT, HTO MUPOBOH oKeaH u3yHeH TonbKo Ha 2-7%.

^пeBeчHoe пaCTeHue ^BKанu^T B cyTKy нopно^aeT u3 noHBw u ucnanaeT 320 n Bnapu.

CKанucpaa 6enKa Mo*eT *uTb 6e3 Bogw go 100 гHeH.

HTaK, MW y3Hanu, HTO Boga - npuBwHHoe, HO B TO *e BпeMa Heo6wHHoe Be^ecpao, nog BnacTbro KOTOPOH HaxoguTca Bca nnaHeTa: oHa ^opMupyeT KnuMaT, aBnaeTca cpeгoH o6yTaHua gna pa3нуHHwx cy^ecpa, nogгep^uBaeT *u3HegeaTenbHocrb nypeM nepeHoca ^Hep^uu u nuTaTenbHwx Be^ecTB no BceMy Teny opraHu3Ma, 3a^u^aeT Hac, нporeM, u ^UBOTHWX OT KocMuHeCKoro xonoga, nocToaHHo пepynupyeT KпыpoBopoT Be^ecTB u ^Hep^uu u ^TOT cнucok MO*HO npogon^aTb u npogon^aTb. H a xoHy cKa3aTb, HTO Boga Ba^HeMmee Be^ecpao Ha 3eMne, 6e3 KOTOPOH HeBo3Mo*Ha *u3Hb.