III. Rl. fodskup: - prohy p

"Bëzila alera Galii, indiani takli ji.

B, al, Ga, In, Th.

Rowy

Mekor kony A > 2: > m, r, kovory chrakter L llektroneg MS², Mh -> Ll. (nejčaslejor ot. č. 111.) va'sany ve sloue, nekor. prvek knëdocërny, malo resklione, va'sany ve sloue, nekor. prvek knëdocërny, malo resklione, vyuriva' se jalo modeator v jader. reskloued (JET) mineraly: Sorax = M2 B4 04.10 H20

v aralléde' clemei " borax ferlecko"- pri 900% -) Aklomka lmota,

bt. se v pirkmnothi rusnyke ionler sabarveye: Co2+... fialace

th. se v pirkmnothi rusnyke jorder perrobor

Tale' jakor pirsada do glazur; ferrobor

Cr2+... zerena' 3203 + 319 - 28 + 3190 3202 + 300 - 20 $B_2O_3 + 2al \rightarrow 2B + al_2O_3$ (aluminotermie) BORANY = BOROVODÍKY OB. W. Bn HOR + 2 Slowening:

BORANY = BORDVODÍKY

OD. 62. On H22

BORDVODÍKY

OD. 62. On H22

BORDVODÍKY

OD. 62. On H22

Bordvodíky

Aleboran - PSm

Bould Poiecnaty

Sould Poiecnaty H3 BO3 - ly tete lufdrogenbouita, pij 3% 0 " borona voda"

H3 BO2 NMM. H3 BO3 Nav HBO2 (kgp. Kdwgenbowika) By C - kaibid bow - brevry malerial (referce) cerra' kptal latter, na výober nepushie odevů , bislora'a spojkova' oblovené. Nejhrás latter na Zemi, brouse i diamanty. BN - milied born,

3. nejrois. prock sem. kury (8,3%) 1. je folk (45,5%)

H. E. III. ve place.

Slosban moroli-l. - sloshow syrielych mineralu - sivce, sledy, kaolinit, Bryslit Naz [al F6], granat Caz alz (PiOz)z, beryl Be 3 al 2 Si6 018, Aprily al 2 (OH) 3 PO4 H20 Cw, borund al 03 + (dialohom. formy alzoz ruben (la) safer (la), smaragol (V). + (dialokom formy alz 3 ruben (ir) safer (10),

sejdue: bauxit alb (0H), australie, Brasilie, yamajka.

rejdue: bauxit alb (0H), australie, Brasilie, yamajka.

political proportion al, jako zanuralorny

respective proportion al, jako zanuralo Njeoba: ① Bayerony 2p. <u>Clentiogéa banutu</u> pri 920°C,

Na Ke se juic al
elektroly 2 ueleku na At dock le spalovane uleiku felikem)

Na el, el.

primeire neakleive (2 al + 6 400 -> 1000 ls + 2H-) plastnosti: slishing kov, lekky dobry vodic t, elektring.

vlastnosti: slishing kov, lekky diring - alobal. Sliking. Jourité: konstrukemi kor (letadla, lode, kosmicky výzbum profiborozni prvek (dl203) - na lov. fasivaci kovii * Co203 + 201 - 2 Canfordene otic many 420 + 302 + 201 - 2 E + alog otic many 420 + 201 - 2 E + alog otic many 420 + 2 E + alog otic many billy prober - yedinaci cirly do feci "termit" syntetieké drahokamy (rubény, safiry...)

Jako Brusny' materiae 3Nazso4 + Rae (04/3) = al2 (504)3 + 6 Ma OH > amfoterne charakter. a) al (0H)3 + 3HN03-> al (NO3)3 + 3420 al (04)3 + KOH -> K [al 104)4]

Kamerce: HI HI (SO4) 2. 12 HzO to MHyal (SO4) 2. 12 HzO s halogenidy al X3 (gir al F3, al a) exident!
soli klineku pou bile, v 420 loop. (x al F3) al cl3. 6 1/20 (kat) al2 (504) 2.18 1/20 GALLIUM-Ga - ptidfovezero Mentilejevim jako eka-aluminium - Maerny, dohasan spekliskopicky v Z doprovase InS = sfalleret, gallit - afrika - bily', leokly', mekky kor - > b.v. (1300C - raftin do teplemerie) - Noue III, II, I Gazoz, Ga (OH)3, Gaz (504)3 6a20, kamence. = < provaze Ins, Pbs, ~ 6a, Appliobaticky - sliting, adolnost prote koroxi, folovodice - I, II , The stale In (OH)3, Inll3, Ing (SO4)3

nestale kamence 2 minerally crookesit, speklishopicky. dovu, jeko Rouz. pri jed. 7/04, 7/Br, 7/28, 7/20, 7/103 i stiting I_{I} T/203 T/Cl2 7/2(03)