

CORYS NY GREINEY

CRE TA CORYS NY GREINEY?

She *Corys ny Greiney* ta shin gra rish yn Ghrian as ooilley ny planaidyn as nheeghyn elley ta goll mygeayrt-y-moe. Ayns Corys ny Greiney ta –

- yn Ghrian hene,
- planaidyn (tree jeu crivassanagh as kiare jeu as fainaghyn oc),
- 169 eaystyn ta goll mygeayrt ny planaidyn (as foddee tooilley nagh vel fys ain er foast),

chammah's tousaneyn dy roltageyn as comaidyn as dreigaghyn as claghyn çhenney as meeryn dy yoan spoaragh.

YN GHRIAN



Ta'n Ghrian ny rollage kiart gollrish ny rollageyn ta shiu fakin er yn oie. T'ee foddey ny sniessey dooin na ny rollageyn elley, as shen y fa t'ee jeeaghyn foddey ny s'gilley.

NY PLANAIDYN

Ta planaidyn ny corpaneyn speyrey mooarey ta goll mygeayrt yn Ghrian. Rish bleeantyn va sleih gra dy row nuy planaidyn ayn. Agh neayr's 2003, va feyshtyn currit ec yn Unnaneys Rollageydys Eddyry-Ashoonagh mychione cre ta planaid er-coontey jeh fys noa mychione corpaneyn speyrey elley, as ayns 2006 ren ny olteynyn jeh'n Unnaneys aareaghey y chooish. Ren yn Unnaneys reaghey coontys jeh planaid son y chield cheayrt (derrey nish, cha row ad jerkal rish feddyn planaidyn noa).

- **Tra ta corpane speyrey cruinlaghey rollage, my vees eh mooar dy liooar dy ve cruinn, ny bunnys cruinn, as ta tromaghys dy liooar echey dy gheddyn rey rish meeryn sloo ass y chruinlagh echey, she planaid t'ayn.**
- **Tra ta corpane speyrey cruinlaghey rollage, my vees eh mooar dy liooar dy ve cruinn, ny bunnys cruinn, agh cha nel moodys dy liooar echey (as er-coontey jeh**

shen cha nel tromaghys dy liooar echey) dy gheddyn rey rish meeryn sloo ass y chruinlagh echey, she planaid crivassanagh t'ayn.



- She ny fir sloo ta ny kiare **planaidyn sthie** (Crean, Baytnag, yn Chruinney, Mart). T'ad jeant ass clagh, lesh cree dy yiarn

- Mooie ta kiare planaidyn enmyssit **foawir gas** (Jupiter, Sarn, Uranus, Neptune). T'ad jeant seose jeh mooadyssyn feer vooar jeh gas as ushtey, as t'ad ymmodee keayrtyr ny smoo na ny planaidyn sthie.

Ta fainaghyn oc ooilley.



- Ta tree planaidyn crivassanagh ayn. 'Sy vlein 2006 ren yn Unnaneyn Rollageydys Eddyraashoonagh (bing jeh skeeandee) coardail rish coontys jeh planaid (cha row lheid y choontys ayn roish shen). Ec y traa cheddin va sorçh noa dy choontys reaghit son corpaneyn speyrey ta gollrish planaidyn, agh cha nel ad cooilleeney ooilley ny aymyn jeh'n choontys, as shoh planaidyn crivassanagh.

- Ta skeeandee feddyn magh tooilley mychione ny ardyn s'odjey jeh Corys ny Greiney as corpaneyn speyrey jeh'n Chryss Kuiper as jeh'n Vodjal Oort. Foddee dy bee tooilley corpaneyn speyrey ny mast'oc ta cooilleeney ny aymyn jeh'n choontys jeh planaid.

Ta ny planaidyn goll mygeayrt yn Ghrian. Ta fys ain ooilley er shen 'sy lhing shoh, agh derrey moghey er y 1500oo, va dagh ooilley pheiaagh credjal dy row ny planaidyn – as yn Ghrian neesht – goll mygeayrt yn Chruinney. She rollageyder voish yn Pholynn, Nicolaus Copernicus, va'n chield dooinney dy hoilshaghey magh dy row eh ny saasey toiggal dagh ooilley chooish ayns rollageydys dy row sleih soiaaghey jeh'n Ghrian myr cree Corys ny Greiney, ayns ynnyd jeh'n Chruinney. Agh hie bunnys 100 blein shaghey roish da sleih fondaghey dy row y barel echey kiart.

Ta ny planaidyn goll trooid spoar rere raaidyn enmyssit **cruinleeyn**. Cha nel ny cruinleeyn geiyrt er kiarklyn, agh er eelipsyn – bunnys ayns cummey jeh ooh, as myr shen ta shin gra oohchrooghyn roo. Ta liurid yn oohchroo beggan ny smoo na'n lheed echey.

PLANAIDYN CRIVASSANAGH

Va **Ceres** y chield roltage eddyr Mart as Neptune va ry-gheddyn 'sy vlein 1801. Hoshiaght, v'ad gra dy row eh ny phlanaid. Tra hooar ad tooilley roltageyn 'syn ard shen, ghow ad toshiaght er loayrt my-e-chione myr y roltage smoo, as cha nee planaid v'ayn. Agh rere y choontys noa 'sy vlein 2006, t'eh ny phlanaid crivassanagh.



Va **Pluto** feddynit ec skeeandee 'sy vlein 1930. V'ad smooinghtyn dy row eh ny phlanaid sodjey derrey hooar skeeandee corpaneyn speyrey s'odjey 'sy vlein 2003. Cha row ad shickyr cre ta'n mooadys jeh Pluto hoshiaght, agh hooar ad magh ny s'anmey dy row eh peeogeagh. T'eh ny phlanaid crivassanagh, coodit lesh rio meetane. Ta cruinlaghey neuchadjin echey, ec uillin neuchadjin cosoyley rish ny planaidyn cheusthie jeh, as ta cheet cheusthie jeh cruinlaghey Neptune.

Ren possan dy skeeandee feddyn **Eris** 'sy vlein 2003 cheu hoal jeh Pluto, as t'eh 27% ny smoo na Pluto. Hoshiaght hug ad earroo oikoil er y chorpane speyrey shoh, 2003 UB313, as neayr's shen ren yn Unnaneys Rollageydys Eddy-ashoonagh coardail dy vel eh ny phlanaid crivassanagh.

PLANAIDYN ELLEY?

'Sy vlein 2003 neesht hooar possan elley dy skeeandee corpane speyrey ny s'odjey na Eris, as v'ad gra rish **Sedna** (shen ennym jeh ben-ye da'n slught Inuit). She 2003 VB12 ta'n earroo oikoil echey. Ta Sedna tree keayrtyr ny s'odjey ersooyl veih'n Ghrian na Pluto, as t'eh cheumooie jeh'n **Chryss Kuiper** (jeeagh 'syn aynr heese mychione Comaidyn as y Chryss Kuiper as y Bodjal Oort).

NY EAYSTYN

Ta ny **eaystyn** (ny **mecphlanaidyn**) nyn seihllyn beggey ny claghyn moarey spoaragh ta goll mygeayrt ny planaidyn as ny planaidyn crivassanagh. T'adsyn goll mygeayrt ayns cruinleeyn eelipsagh neesht. Ta'n chooid smoo jeh feer veg, agh ta fer ny ghaa ny smoo na Pluto. Ta daa jeh eer ny smoo na Mart. Ta skeeandee spoar er ngeddyn 169 eayst ooilley cooidjagh (Mean Souree 2007) choud's nish. Ta bunnys dagh fer jeh

cruinlaghey ny foawir gas. Ta un eayst peeogeagh, va feddynit 'sy vlein 1995, cruinlaghey roltage. Ta kiare jeu cruinlaghey planaidyn crivassanagh. Cha nel agh tree eaystyn ta cruinlaghey planaidyn sthie.

ROLTAGEYN

Eddyr Mart as Jupiter ta cryss lhean jeh millioonyn dy heihllyn peeogeagh, claghyn spoaragh as gloutyn dy yiarn. Ta shin gra **roltageyn** roo, ny **mynphlanaidyn**. T'ad ooilley foddey ny sloo na'n Eayst ain. Ta'n trass ayn jeh mooadys ny roltageyn ry-gheddyn ayns Ceres, ta 920 km er lheed. Cosoylee shen rish mooadys yn Eayst, ta 3,476 km er lheed. Agh son shen as ooilley, ta Ceres ny phlanaid crivassanagh nish.

Ta kuse dy roltageyn ta ry-gheddyn cheumooie jeh'n chryss roltageagh. Ta ny shlee na 60 roltage çheet ny sniessey da'n Ghrian na ta'n Chruinney çheet, as ta tree jeu çheet ny sniessey da'n Ghrian na ta'n planaid sniessey, Crean, çheet.

Ta daa phossan neuchadjin dy roltageyn, **Ny Roltageyn Troyagh**, goll mygeayrt yn Ghrian ayns cruinlagh Jupiter. Ta'n derrey phossan gleashaghey roish y phlanaid, as ta'n possan elley geiyrt er.

CLAGHYN SPOARAGH AS CLAGHYN ÇHENNEY AS DREIGAGHYN

Chammah's ny planaidyn as roltageyn as eaystyn, ta millioonyn dy chlaghyn spoaragh gleashaghey ayns raaidyn neuchinjagh ny neuchadjin mygeayrt yn Ghrian.

Ta claghyn spoaragh (ta shin gra roo **dreigaghyn**) smoashal stiagh ayns ny planaidyn as eaystyn ny keayrtn, as shen troggal seose kiarklyn dy chlagh enmyssit **beill**. Ta'n chooid smoo jeh ny claghyn spoaragh ta bwoalley noi aeraght ny Cruinney lostey ayns schimmeigyn gial ta sleih gra roo **claghyn çhenney** ny **rollageyn roie**. My vees clagh spoaragh cosney gys eaghtyr ny Cruinney gyn lostey dy bollagh, ta shin gra ree **dreigagh**.

COMAIDYN AS Y CHRYSS KUIPER AS Y BODJAL OORT

Çheu hoal jeh Pluto as Neptune ta ard enmyssit y **Chryss Kuiper** ta jannoo seose jysk feer voar raad ta corpaneyn speyrey jeant son y chooid smoo jeh rio. T'ad grad y vel **Quaoar** ta'n fer smoo jeu, ta mysh 800 meeilley tessan, agh s'cosoylagh eh dy vel Pluto cochianglt rish y Chryss Kuiper neesht.

Ny keayrtn ta cruink rioee spoaragh ta meeiley ny ghaa tessan çheet stiagh ayns

Corys ny Greiney sthie. T'ad enmyssit **comaidyn**, as t'ad jeant ass ushtey riojit, gas riojit, as joan spoaragh doo.

Tra ta fer jeh ny "bluckanyn sniaghtee sollagh" shoh çheet faggys dy liooar da'n Ghrian, ta çhiass ny Greiney jannoo gaal jeh meer jeh. Ta famman liauyr gial jeh joan as gas gaase as sheeyney magh cho foddey as 100 millioon km ersooyl veih'n Ghrian.

Shimney rollageyder ta credjal dy vel millioonyn dy chomaidyn foddey cochianglt rish Corys Ny Greiney. T'ad cho foddey ersooyl nagh vodmayd fakin ad, eer lesh fodreayrtan. Ta billioonyn jeu cruinlaghey yn Ghrian kiart çheu hoal jeh Neptune as Pluto, as shen yn oyr ta skeeandee çheet er y **Chryss Comaidagh Kuiper**, chammah's jus er y **Chryss Kuiper**.

Foddee dy vel tooilley comaidyn eer sodjey, ayns runtag ta sleih gra rish y **Vodjal Comaidagh Oort**, ny jus y **Bodjal Oort**.



Nish as reesht ta fer jeh ny nheeghyn 'sy Chryss Kuiper ny 'sy Vodjal Oort tuittym stiagh cour yn Ghrian ayns cruinlagh liauyr coon. Tra t'eh faggys dy liooar, t'eh çheet dy ve ny chomaid fodmayd fakin.

CRE VOISH HAINK CORYS NY GREINEY?

Ta rollageyderyn credjal dy row Corys ny Greiney jeant ass bodjal foawragh jeh gas hiddragien as joan spoaragh. Ny shlee na 4,500 million blein er-dy-henney, ren tromaghys hene y vodjal goaill toshiaght er tayrn stiagh eh. Ren eh goaill toshiaght er çhiassaghey. Haink cree y vodjal dy ve cho çheh dy row ny breneenyn dy hiddragien va traastit cooidjagh dy chummey bunstoo noa, heeliu. Ren bree goaill toshiaght er deayrtey magh ass dy trome. Haink y gas dy ve ny rollage, yn Ghrian ain.

Va gloutyn sloo dy yoan as dy ghas ayns ny ardyn mooie jeh'n vodjal traastit cooidjagh neesht. Ren ad cummey planaidyn as eaystyn as comaidyn.

