

A B C D E F G H I J
K L M N O P Q R S T
U V W X Y Z

a b c d e f g h i j k l m
n o p q r s t u v w x y z

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18 pt / 21pt (Target)

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|------------|-----------|-------------|
| HHAHAOAOO | nnfnfofoo | nn*n*o*oo |
| HHBHBOBOO | nnngnogoo | nn:n:o:oo |
| HHCHCOCOO | nnhnhohoo | nn;n;o;oo |
| HHDHDODOO | nninioioo | nn@n@o@oo |
| HHEHEOEEO | nnjnjojoo | nn%n%o%oo |
| HHFHFOFOO | nnknkokoo | nn(n(o(oo |
| HHGHGOGOO | nnlnloloo | nn)n)o)oo |
| HHHHHOHOO | nnmnmomoo | nn{n{o{oo |
| HHIHIOIOO | nnnnnonoo | nn}n}o}oo |
| HHJHJOJOO | nnonooooo | nn+n+o+oo |
| HHKHKOKOO | nnpnpopoo | nn-n-o-oo |
| HHLHLOLOO | nnqnqoqoo | nn_n_o_oo |
| HMHMHMOMOO | nnrnroroo | nn/n/o/oo |
| HHNHNONOO | nnsnsosoo | nn\n\o\oo |
| HHOHOOOOO | nntntotoo | nn<n<o<oo |
| HHPHPOPOO | nnunuouoo | nn>n>o>oo |
| HHQHQQOOO | nnvnvovoo | 110100000 |
| HHRHROROO | nnwnwowoo | 111110100 |
| HSHHSOSOO | nnxnxoxoo | 112120200 |
| HHTHTOTOO | nnynyoyoo | 113130300 |
| HHUHUOUOO | nnznzozoo | 114140400 |
| HHVHVVOVOO | nn.n.o.oo | 115150500 |
| HHWHWOWOO | nn,n,o,oo | 117170700 |
| HHXHXOXOO | nn!n!o!oo | 116160600 |
| HHYHYOYOO | nn?n?o?oo | 118180800 |
| HHZHZOZOO | nn&n&o&oo | 119190900 |
| nnanaoaoa | nn“n“o“oo | 11\$1\$o\$o |
| nnbnboboo | nn”n”o”oo | |
| nnncncocoo | nn‘n‘o‘oo | |
| nnndndodoo | nn’n’o’oo | |
| nneneoeoo | nn#n#o#oo | |

18 pt / 21pt Uppercase

AARDVARK ABLUTION ACRIMONIOUS ADVENTURES
AEOLIAN AFRICA AGAMEMNON AHOY AILERON AJAX
AKIMBO ALTRUISM AMERICA ANECDOTE AORTA
APTITUDE AQUARIUM ARCADE ASPARTAME ATTRITION
AURELIUS AVUNCULAR AWNING AXMINSTER AYERS
AZURE BANISHMENT BENIGHTED BHAGAVAD BIBLICAL
BJORN BLANCMANGE BOLTON BRUSQUE BURNISH
BWANA BYZANTIUM CABBALA CETACEAN CHARLEMAGNE
CICERO CLAMOROUS CNIDARIAN CONIFER CRUSTACEAN
CTENOID CULLED CYNOSURE CZARINA DALMATIAN DELPHI
DHURRIE DINNER DJINN DOCUMENT DRILL DUNLEARY
DVORAK DWINDLE DYNAMO EAMES EBULLIENT ECHO
EDIFY EELS EFTSOONS EGRESS EHRlich EINDHOVEN
EJECT EKISTICS ELZEVIR EMINENCE ENNOBLE EOCENE
EPHEMERAL EQUATOR ERSTWHILE ESTIENNE ETIQUETTE
EUCALYPTUS EVERYMAN EWEN EXETER EYELET EZEKIEL
FANFARE FEROCIOUS FFESTINI OG FINICKY FJORD
FLANDERS FORESTRY FRILLS FURNITURE FYLFOT
GARRULOUS GENEROUS GHASTLY GIMLET GLORIOUS
GNOMON GOLFER GRIZZLED GUMPTION GWENDOLYN
GYMKHANA HARROW HEIFER HINDEMITH HORACE HSI
HUBRIS HYBRID IAMBIC IBARRA ICHTHYOLOGY IDENTITY
IEVGENY IFRIT IGNITE IHRE IKON ILIAD IMMINENT
INNOVATION IOLANTHE IPANEMA IRASCIBLE ISLAND
ITALIC IVORY IWIS IXTAPA IYAR IZZARD JANACEK JENSON
JITTER JOINERY JR. JUNGIAN KAISER KENILWORTH KHAKI
KINDRED KLONDIKE KNOWLEDGE KOHLRABI KRAKEN
KUDZU KVETCH KWACHA KYRIE LABRADOR LENT LHASA
LINIMENT LLAMA LONGBOAT LUDDITE LYCEUM MANDARIN
MBANDAKA MCINTYRE MDINA MENDACIOUS MFG. MG
MILLINERY MLE. MME. MNEMONIC MORIBUND MR. MS.
MTN. MUNITIONS MYRA NARRAGANSETT NEFARIOUS

NGUYEN NILE NKOSO NNENNA NONSENSE NR. NUNNERY
NYACK OARSMAN OBLATE OCULAR ODESSA OEDIPUS OFTEN
OGRE OHMS OILERS OKRA OLFACTORY OMINOUS ONEROUS
OOGAMOUS OPINE ORNATE OSSIFIED OTHELLO OUBLIETTE
OVENS OWLISH OXEN OYSTER OZYMANDIAS PARISIAN
PB PD. PENROSE PFENNIG PG. PHARMACY PIROUETTE
PLEISTOCENE PNEUMATIC PORRIDGE PP. PRINCIPLE
PSALTERY PTARMIGAN PUNDIT PYRRHIC QAID QED QIBRIS
QOM QUILL RANSOM RB. RD. RENFIELD RHEUMATIC
RINGLET RM. RONSARD RP. RTE. RUNCIBLE RWANDA
RYE SALACIOUS SBEITLA SCHERZO SERPENTINE SFORZA
SHACKLES SINFUL SJOERD SKULL SLALOM SMELTING SNIPE
SORBONNE SPARTAN SQUIRE SRI STULTIFIED SUMMONER
SVELTE SWARTHY SYKES SZENTENDRE TARRAGON TBLISI
TCHERNY TENNYSON THAUMATURGE TINCTURE TLALOC
TOREADOR TREACHEROUS TSUNAMI TURKEY TWINE
TYROLEAN TZARA UBIQUITOUS UCELLO UDDER UFOLOGY
UGRIC UHLAN UITLANDER UKULELE ULSTER UMBER
UNGUENT UOMO UPLIFT URSINE USURIOUS UTRECHT
UVULA UXORIOUS UZBEK VANISHED VD. VENOMOUS
VINDICATE VORACIOUS VRILLIER VS. VT. VULNERABLE
VYING WASHINGTON WENDELL WHARF WINDOW WM.
WORTH WRUNG WT. WUNDERMAN WYES XANTHAN XENON
XIAO XMAS XRAY XUXA XYLEM YARROW YBARRA YCAIR YDS.
YELLOWSTONE YGGDRASIL YIN YLANG YOURS YPSILANTI
YQUEM YRS. YS. YTTERBIUM YUNNAN YVONNE ZANZIBAR
ZERO ZHORA ZINFANDEL ZONE ZUNI ZWIEBACK ZYGOTE

18 pt / 21pt Titlecase

Aardvark Ablution Acrimonious Adventures Aeolian Africa
Agamemnon Ahoy Aileron Ajax Akimbo Altruism America
Anecdote Aorta Aptitude Aquarium Arcade Aspartame Attrition
Aurelius Avuncular Awning Axminster Ayers Azure Banishment
Benighted Bhagavad Biblical Bjorn Blancmange Bolton Brusque
Burnish Bwana Byzantium Cabbala Cetacean Charlemagne Cicero
Clamorous Cnidarian Conifer Crustacean Ctenoid Culled Cynosure
Czarina Dalmatian Delphi Dhurrie Dinner Djinn Document Drill
Dunleary Dvorak Dwindle Dynamo Eames Ebullient Echo Edify
Eels Eftsoons Egress Ehrlich Eindhoven Eject Ekistics Elzevir
Eminence Ennoble Eocene Ephemeral Equator Erstwhile Estienne
Etiquette Eucalyptus Everyman Ewen Exeter Eyelet Ezekiel
Fanfare Ferocious Ffestiniog Finicky Fjord Flanders Forestry Frills
Furniture Fylfot Garrulous Generous Ghastly Gimlet Glorious
Gnomon Golfer Grizzled Gumption Gwendolyn Gymkhana Harrow
Heifer Hindemith Horace Hsi Hubris Hybrid Iambic Ibarra
Ichthyology Identity Ievgeny Ifrit Ignite Ihre Ikon Iliad Imminent
Innovation Iolanthe Ipanema Irascible Island Italic Ivory Iwis
Ixtapa Iyar Izzard Janacek Jenson Jitter Joinery Jr. Jungian Kaiser
Kenilworth Khaki Kindred Klondike Knowledge Kohlrabi Kraken
Kudzu Kvetch Kwacha Kyrie Labrador Lent Lhasa Liniment Llama
Longboat Luddite Lyceum Mandarin Mbandaka McIntyre Mdina
Mendacious Mfg. Mg Millinery Mlle. Mme. Mnemonic Moribund
Mr. Ms. Mtn. Munitions Myra Narragansett Nefarious Nguyen
Nile Nkoso Nnenna Nonsense Nr. Nunnery Nyack Oarsman Oblate
Ocular Odessa Oedipus Often Ogre Ohms Oilers Okra Olfactory
Ominous Onerous Oogamous Opine Ornate Ossified Othello
Oubliette Ovens Owlsh Oxen Oyster Ozymandias Parisian Pb Pd.
Penrose Pfennig Pg. Pharmacy Pirouette Pleistocene Pneumatic
Porridge Pp. Principle Psaltery Ptarmigan Pundit Pyrrhic Qaid Qed
Qibris Qom Quill Ransom Rb. Rd. Renfield Rheumatic Ringlet Rm.
Ronsard Rp. Rte. Runcible Rwanda Rye Salacious Sbeitla Scherzo

Serpentine Sforza Shackles Sinful Sjoerd Skull Slalom Smelting
Snipe Sorbonne Spartan Squire Sri Stultified Summoner Svelte
Swarthy Sykes Szentendre Tarragon Tblisi Tcherny Tennyson
Thaumaturge Tincture Tlaloc Toreador Treacherous Tsunami
Turkey Twine Tyrolean Tzara Ubiquitous Ucello Udder Ufology
Ugric Uhlan Uitlander Ukulele Ulster Umber Unguent Uomo
Uplift Ursine Usurious Utrecht Uvula Uxorious Uzbek Vanished
Vd. Venomous Vindicate Voracious Vrillier Vs. Vt. Vulnerable
Vying Washington Wendell Wharf Window Wm. Worth Wrung Wt.
Wunderman Wyes Xanthan Xenon Xiao Xmas Xray Xuxa Xylem
Yarrow Ybarra Ycair Yds. Yellowstone Yggdrasil Yin Ylang Yours
Ypsilanti Yquem Yrs. Ys. Ytterbium Yunnan Yvonne Zanzibar Zero
Zhora Zinfandel Zone Zuni Zwieback Zygote

18 pt / 21pt lowercase

aardvark ablution acrimonious adventures aeolian africa
agamemnon ahoy aileron ajax akimbo altruism america anecdote
aorta aptitude aquarium arcade aspartame attrition aurelius
avuncular awning axminster ayers azure banishment benighted
bhagavad biblical bjorn blancmange bolton brusque burnish
bwana byzantium cabbala cetacean charlemagne cicero clamorous
cnidarian conifer crustacean ctenoid culled cynosure czarina
dalmatian delphi dhurrie dinner djinn document drill dunleary
dvorak dwindle dynamo eames ebullient echo edify eels eftsoons
egress ehrlich eindhoven eject ekistics elzevir eminence ennoble
eocene ephemeral equator erstwhile estienne etiquette eucalyptus
everyman ewen exeter eyelet ezekiel fanfare ferocious ffestiniog
finicky fjord flanders forestry frills furniture fylfot garrulous
generous ghastly gimlet glorious gnomon golfer grizzled gumption
gwendolyn gymkhana harrow heifer hindemith horace hsi hubris
hybrid iambic ibarra ichthyology identity ievgeny ifrit ignite ihre
ikon iliad imminent innovation iolanthe ipanema irascible island
italic ivory iwis ixtapa iyar izzard janacek jenson jitter joinery
jr. jungian kaiser kenilworth khaki kindred klondike knowledge
kohlrabi kraken kudzu kvetch kwacha kyrie labrador lent lhasa
liniment llama longboat luddite lyceum mandarin mbandaka
mcintyre mdina mendacious mfg. mg millinery mlle. mme.
mnemonic moribund mr. ms. mtn. munitions myra narragansett
nefarious nguyen Nile nkoso nnenna nonsense nr. nunnery nyack
oarsman oblate ocular odessa oedipus often ogre ohms oilers okra
olfactory ominous onerous oogamous opine ornate ossified othello
oubliette ovens owlsh oxen oyster ozymandias parisian pb pd.
penrose pfennig pg. pharmacy pirouette pleistocene pneumatic
porridge pp. principle psaltery ptarmigan pundit pyrrhic qaid
qed qibris qom quill ransom rb. rd. renfield rheumatic ringlet
rm. ronsard rp. rte. runcible rwanada rye salacious sbeitla scherzo
serpentine sforza shackles sinful sjoerd skull slalom smelting snipe

sorbonne spartan squire sri stultified summoner svelte swarthy
sykes szentendre tarragon tblisi tcherny tennyson thaumaturge
tincture tlaloc toreador treacherous tsunami turkey twine tyrolean
tzara ubiquitous ucello udder ufology ugric uhlan uitlander ukulele
ulster umber unguent uomo uplift ursine usurious utrecht uvula
uxorious uzbek vanished vd. venomous vindicate voracious vrillier
vs. vt. vulnerable vying washington wendell wharf window wm.
worth wrung wt. wunderman wyes xanthan xenon xiao xmas xray
xuxa xylem yarrow ybarra ycair yds. yellowstone yggdrasil yin ylang
yours ypsilanti yquem yrs. ys. ytterbium yunnan yvonne zanzibar
zero zhora zinfandel zone zuni zwieback zygote

THIS ROBOT'S JOURNEY TO AN ICY ALIEN MOON STARTS BENEATH ANTARCTICA

NASA SCIENTISTS COMPLETED FIELD TESTS IN NOVEMBER OF A FLOATING ROVER THEY HOPE WILL ONE DAY TRAVEL TO EUROPA, THE FROZEN OCEAN MOON OF JUPITER.

A prototype of NASA's Jet Propulsion Laboratory's Buoyant Rover for Under-Ice Exploration, a technology that could one day explore oceans under the ice layers of planetary bodies, being tested in a lake near Barrow, Alaska.

– By David W. Brown, Jan. 5, 2020, 5:00 a.m. ET

CASEY STATION, Antarctica — Near a nice, big hole in the ice and beneath the stone gray, midday Antarctic summer skies, six Adélie penguins stared at six men toiling with tools. The chasm in the ice might have been an inviting entry to the krill-rich waters below. None of the members of the tuxedoed recon party dove into the hole, a square about six feet across. The risk of leopard seals was just too great.

But had they leapt in, the penguins would have discovered not a seal, but a robot.

In November, scientists and engineers from NASA's Jet Propulsion Laboratory successfully field tested Bruie — the "Buoyant Rover for Under-Ice Exploration" — beneath the ice of eastern Antarctica. The remotely operated rover was built to crawl along the underside of sea ice and ice shelves. These tests on Earth have a long-term goal of one day seeking evidence of life beneath the thick frozen shell covering Jupiter's ocean moon of Europa. Beneath that ice is three times more liquid water than can be found in all the oceans on Earth.

It will be years before a spacecraft from Earth lands on Europa, which was most closely studied by NASA's Galileo mission in the 1990s. The next robotic probe to visit that world will be Europa Clipper, scheduled to launch no sooner than 2025. When it arrives some years later, that spacecraft will orbit Jupiter and encounter Europa dozens of times at different angles to thoroughly scan and map the moon, considered one of the best candidates in our solar system to be inhabited by some form of extraterrestrial life. Any future for a lander visiting the Jovian moon is uncertain. But that hasn't stopped NASA's engineers and scientists from developing technologies to aid its mission.

"Getting a vehicle like the buoyant rover and other submersibles in the ocean of Europa is the long-term vision for what we hope to one day accomplish," said Kevin P. Hand, the project's science lead from the Jet Propulsion Laboratory. "It's going to come after Clipper and a lander on the surface. These precursor missions would set the stage for getting through the ice and reaching the ocean."