

Actual 12-words Seed Phrase table for all crypto wallets

| adapt adjust bargain occur soul lock wheat pulse cable crunch there purpose | adapt adjust bargain occur soul lock wheat pulse cable crunch there purpose | adapt adjust bargain occur soul lock wheat pulse cable crunch there purpose |
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| van myself design gloom busy dwarf still sentence cool rabbit virtual search | van myself design gloom busy dwarf still sentence cool rabbit virtual search | van myself design gloom busy dwarf still sentence cool rabbit virtual search |
| plug age begin tuition bundle boy rookie injury party police shaft hope | plug age begin tuition bundle boy rookie injury party police shaft hope | plug age begin tuition bundle boy rookie injury party police shaft hope |
| ancient beef that weasel effort hungry absurd sail bid actress script episode | ancient beef that weasel effort hungry absurd sail bid actress script episode | ancient beef that weasel effort hungry absurd sail bid actress script episode |
| flight output gallery day kidney middle become vital measure wise erase romance | flight output gallery day kidney middle become vital measure wise erase romance | flight output gallery day kidney middle become vital measure wise erase romance |
| poem clap cup casino camp elephant can jewel evidence pole cream glove | poem clap cup casino camp elephant can jewel evidence pole cream glove | poem clap cup casino camp elephant can jewel evidence pole cream glove |
| embody method finger gold item bracket ensure hub expect amount yellow ranch | embody method finger gold item bracket ensure hub expect amount yellow ranch | embody method finger gold item bracket ensure hub expect amount yellow ranch |
| special source hockey also elbow dash truly fluid swear degree wish quarter | special source hockey also elbow dash truly fluid swear degree wish quarter | special source hockey also elbow dash truly fluid swear degree wish quarter |
| camera win whip detect book keen wear brief material track core layer | camera win whip detect book keen wear brief material track core layer | camera win whip detect book keen wear brief material track core layer |
| bunker chef inmate year acoustic staff brother energy card indoor alpha fix | bunker chef inmate year acoustic staff brother energy card indoor alpha fix | bunker chef inmate year acoustic staff brother energy card indoor alpha fix |
| kingdom swift evolve coin laptop lesson private potato stay horn similar amazing | kingdom swift evolve coin laptop lesson private potato stay horn similar amazing | kingdom swift evolve coin laptop lesson private potato stay horn similar amazing |
| offer fresh struggle number behave title garage satisfy birth surge shrimp noise | offer fresh struggle number behave title garage satisfy birth surge shrimp noise | offer fresh struggle number behave title garage satisfy birth surge shrimp noise |

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| dilemma knock session river right torch enter inherit icon shuffle lottery palace | dilemma knock session river right torch enter inherit icon shuffle lottery palace | dilemma knock session river right torch enter inherit icon shuffle lottery palace |
| crawl ill evoke churn winter invest inner dish pupil sword legal winner | crawl ill evoke churn winter invest inner dish pupil sword legal winner | crawl ill evoke churn winter invest inner dish pupil sword legal winner |
| gossip token collect raw spoon run art media unveil foster giant address | gossip token collect raw spoon run art media unveil foster giant address | gossip token collect raw spoon run art media unveil foster giant address |
| teach front license account olive canyon six sea hobby lemon airport shadow | teach front license account olive canyon six sea hobby lemon airport shadow | teach front license account olive canyon six sea hobby lemon airport shadow |
| brass confirm seat upgrade prison nice call point shiver clown pistol flee | brass confirm seat upgrade prison nice call point shiver clown pistol flee | brass confirm seat upgrade prison nice call point shiver clown pistol flee |
| zebra matter turn average subway machine blame prize brand pear alert obvious | zebra matter turn average subway machine blame prize brand pear alert obvious | zebra matter turn average subway machine blame prize brand pear alert obvious |
| aim high surround enforce arctic holiday shift move scheme blanket before curtain | aim high surround enforce arctic holiday shift move scheme blanket before curtain | aim high surround enforce arctic holiday shift move scheme blanket before curtain |
| plate child loop engage bottom hundred picture urban monitor afford cross display | plate child loop engage bottom hundred picture urban monitor afford cross display | plate child loop engage bottom hundred picture urban monitor afford cross display |
| juice fiscal domain claw faith rival thing eagle receive strong little slide | juice fiscal domain claw faith rival thing eagle receive strong little slide | juice fiscal domain claw faith rival thing eagle receive strong little slide |
| jelly library decorate country orient subject genuine bag happy initial coffee length | jelly library decorate country orient subject genuine bag happy initial coffee length | jelly library decorate country orient subject genuine bag happy initial coffee length |
| journey forest quit kind scout scare tackle edit reveal combine modify antenna | journey forest quit kind scout scare tackle edit reveal combine modify antenna | journey forest quit kind scout scare tackle edit reveal combine modify antenna |
| maze oxygen recycle direct level actor network type crumble stuff eye grocery | maze oxygen recycle direct level actor network type crumble stuff eye grocery | maze oxygen recycle direct level actor network type crumble stuff eye grocery |
| recall mammal stove saddle draft walnut filter fancy worth siege drink fragile | recall mammal stove saddle draft walnut filter fancy worth siege drink fragile | recall mammal stove saddle draft walnut filter fancy worth siege drink fragile |

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| wood noble index junk stone route album gun tongue despair small panda | wood noble index junk stone route album gun tongue despair small panda | wood noble index junk stone route album gun tongue despair small panda |
| maple used finish stem phone heavy predict spike split nurse excuse guitar | maple used finish stem phone heavy predict spike split nurse excuse guitar | maple used finish stem phone heavy predict spike split nurse excuse guitar |
| valid spider spot uncover tortoise accident robot story chalk all mobile broken | valid spider spot uncover tortoise accident robot story chalk all mobile broken | valid spider spot uncover tortoise accident robot story chalk all mobile broken |
| file okay exchange youth praise guard remain economy crisp polar system donate | file okay exchange youth praise guard remain economy crisp polar system donate | file okay exchange youth praise guard remain economy crisp polar system donate |
| dumb chapter arrange unit avocado together defy razor copper fitness report speed | dumb chapter arrange unit avocado together defy razor copper fitness report speed | dumb chapter arrange unit avocado together defy razor copper fitness report speed |
| one hollow nose cradle mother clinic carry genre pave lizard scorpion hotel denial theme medal gain symbol sphere purchase exhibit truth april must tone | one hollow nose cradle mother clinic carry genre pave lizard scorpion hotel denial theme medal gain symbol sphere purchase exhibit truth april must tone | one hollow nose cradle mother clinic carry genre pave lizard scorpion hotel denial theme medal gain symbol sphere purchase exhibit truth april must tone |
| test surface sorry toss volume cash leave citizen impulse alone shell jeans radio arch crush language minimum minor elite digital decrease rent settle tag | test surface sorry toss volume cash leave citizen impulse alone shell jeans radio arch crush language minimum minor elite digital decrease rent settle tag | test surface sorry toss volume cash leave citizen impulse alone shell jeans radio arch crush language minimum minor elite digital decrease rent settle tag |
| depth lawn feed boss nature pride below runway letter force bleak defense able glow menu gauge salute timber century expand team swing canal marble | depth lawn feed boss nature pride below runway letter force bleak defense able glow menu gauge salute timber century expand team swing canal marble | depth lawn feed boss nature pride below runway letter force bleak defense able glow menu gauge salute timber century expand team swing canal marble |
| fiber distance town bus rate angle friend cost rib home coral worry | fiber distance town bus rate angle friend cost rib home coral worry | fiber distance town bus rate angle friend cost rib home coral worry |
| sell vacant glass cruise roof now shock half flavor two muscle client | sell vacant glass cruise roof now shock half flavor two muscle client | sell vacant glass cruise roof now shock half flavor two muscle client |
| taste clerk basket execute banana unlock typical toy | taste clerk basket execute banana unlock typical toy spawn produce throw fabric | taste clerk basket execute banana unlock typical toy spawn produce throw fabric |

**spawn produce throw
fabric**

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|---|---|---|
| weapon once disorder perfect twenty grief credit correct piece height business problem | weapon once disorder perfect twenty grief credit correct piece height business problem | weapon once disorder perfect twenty grief credit correct piece height business problem |
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| submit spell isolate frequent mansion trash float manual judge desk guess sponsor | submit spell isolate frequent mansion trash float manual judge desk guess sponsor | submit spell isolate frequent mansion trash float manual judge desk guess sponsor |
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|---|---|---|
| absent cart outer palm oppose scissors ghost shed gym swim ordinary response | absent cart outer palm oppose scissors ghost shed gym swim ordinary response | absent cart outer palm oppose scissors ghost shed gym swim ordinary response |
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| absorb giggle sniff ribbon seek garden drop organ excite daughter quiz funny | absorb giggle sniff ribbon seek garden drop organ excite daughter quiz funny | absorb giggle sniff ribbon seek garden drop organ excite daughter quiz funny |
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| lucky suggest culture common bird eternal question exotic put nephew slow they | lucky suggest culture common bird eternal question exotic put nephew slow they | lucky suggest culture common bird eternal question exotic put nephew slow they |
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| remove spend ketchup rich barrel hospital random air strategy corn addict zone | remove spend ketchup rich barrel hospital random air strategy corn addict zone | remove spend ketchup rich barrel hospital random air strategy corn addict zone |
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| sample waste game uncle where picnic message slogan tank sibling concert summer | sample waste game uncle where picnic message slogan tank sibling concert summer | sample waste game uncle where picnic message slogan tank sibling concert summer |
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| minute record anxiety patch change peace shield clever mixture issue divide print | minute record anxiety patch change peace shield clever mixture issue divide print | minute record anxiety patch change peace shield clever mixture issue divide print |
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| wire wife swarm stick horror sausage merit robust deny erode feature trim | wire wife swarm stick horror sausage merit robust deny erode feature trim | wire wife swarm stick horror sausage merit robust deny erode feature trim |
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| extra risk extend rifle doctor prevent foil simple exile girl grab pretty | extra risk extend rifle doctor prevent foil simple exile girl grab pretty | extra risk extend rifle doctor prevent foil simple exile girl grab pretty |
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| income sketch illness chest arena action bacon advance trick congress athlete flower | income sketch illness chest arena action bacon advance trick congress athlete flower | income sketch illness chest arena action bacon advance trick congress athlete flower |
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| intact skate cabbage clutch deputy fence office sound rebuild paper love evil | intact skate cabbage clutch deputy fence office sound rebuild paper love evil | intact skate cabbage clutch deputy fence office sound rebuild paper love evil |
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BIP39

The Human Side of Crypto Security

BIP39 simplifies crypto key management by converting complex binary data into a list of common words. These mnemonic phrases, typically 12 to 24 words long, are much easier to write down and remember than raw private keys. The words are selected from a standardized 2048-word list to ensure clarity and prevent errors. An optional passphrase can be added to enhance security, creating a unique seed even with the same words. This seed forms the foundation for generating multiple keys in a hierarchical deterministic (HD) wallet. BIP39 has become an essential tool in making cryptocurrency more accessible and secure for everyday users.