

ID,C,4 NAMESORT,C,80

NAME,M PARENTIC

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| ;3÷ | nitrogen cycle | # F: |

| | | |
|-------|------------------------------------|-------|
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| # F< | arsenic antimony and bismuth | # F8 |
| # F= | oxygen and sulfur to polonium | # F |
| ;3° | oxygen to polonium | # F= |
| # F> | oxygen | # F= |
| ;3" | oxygen preparation | # F> |
| # F? | sulfur | # F= |
| ;3· | solid sulfur | # F? |
| ;3¹ | sulfur extraction | # F? |
| ;3³ | sulfuric acid | # F? |
| # F@ | selenium tellurium and polonium | # F= |
| # FA | halogens | # F |
| ;3² | halide lamps | # FA |
| ;3■ | halogens | # FA |
| # FB | fluorine | # FA |
| # FC | chlorine | # FA |
| ;3 | swimming pool | # FC |
| # FD | bromine and iodine | # FA |
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| # FE | rare gases | # F |
| ;4 | noble gases | # FE |
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| # FG | neon to radon | # FE |
| ;4 | neon sign | # FG |
| # FH | organic chemistry | # FH |
| ;4 | oil drilling platform | # FH |
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| # FI | natural pigments | # FH |
| ;4 | indigo | # FI |
| # FJ | improving on nature | # FH |
| ;4 | azo dyes | # FJ |
| ;4 | penicillin | # FJ |
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| ;4 | polymers | # FP |
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| # FR | reactions | # FQ |
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| ;4 | theatrical makeup | # FS |
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| ;4 | alkynes | # FT |
| ;4 | car tires | # FT |

Sheet1

| | | |
|--------|---|--------|
| # -FU | aromatic hydrocarbons | # -FH |
| # -FV | benzene | # -FU |
| ;4 | benzene | # -FV |
| # -FW | toluene | # -FU |
| # -FX | xylenes | # -FU |
| # -FY | condensed aromatic hydrocarbons | # -FU |
| ;4 | aromatic hydrocarbons | # -FY |
| # -FZ | cancercausing properties | # -FU |
| # -F[| halogenated hydrocarbons | # -FH |
| # -F\ | halogenation reactions | # -F[|
| # -F] | reactions of organic halogen compounds | # -F[|
| # -F^ | industrial uses | # -F[|
| ;4 | polyvinyl chloride | # -F^ |
| ;4 | polyvinyl chloride containers | # -F^ |
| # -F_ | chlorinated pesticides | # -F[|
| ;4 | insecticide | # -F_ |
| # -F` | alcohols | # -FH |
| # -Fa | structure | # -F` |
| ;4 | alcohol reactions | # -Fa |
| # -Fb | methanol and ethanol | # -F` |
| ;4 | alcohol boiling point | # -Fb |
| ;4 | alcohol fermentation | # -Fb |
| ;4 | motor vehicle | # -Fb |
| # -Fc | aldehydes and ketones | # -FH |
| # -Fd | preparation and uses | # -Fc |
| ;4 | aldehydes and ketones | # -Fd |
| # -Fe | methanal and other simple aldehydes | # -Fc |
| ;4 | aldehydes | # -Fe |
| ;4 | biological specimens | # -Fe |
| # -Ff | propanone and simple ketones | # -Fc |
| ;4 | cellulose thinner | # -Ff |
| # -Fg | acetals | # -Fc |
| # -Fh | organic acids | # -FH |
| ;4 | organic acids | # -Fh |
| # -Fi | carboxylic acids | # -Fh |
| ;4 | ant venom | # -Fi |
| ;4 | runners | # -Fi |
| # -Fj | esters | # -FH |
| # -Fk | formation | # -Fj |
| # -Fl | uses | # -Fj |
| ;4 | esters | # -Fl |
| ;4 | aircraft | # -Fl |
| ;4! | wine cellar | # -Fl |
| # -Fm | nitrogen compounds | # -FH |
| ;4" | ammonia | # -Fm |
| ;4# | butterfly wing | # -Fm |
| # -Fn | structure and properties of amines | # -Fm |
| ;4\$ | dead fish | # -Fn |
| ;4% | mouse | # -Fn |
| # -Fo | preparation and reactions amines and amides | # -Fm |
| # -Fp | heterocyclic nitrogen compounds | # -Fm |

| | | | |
|---------------------|---|---|------------------|
| ;4& | aromatic nitrogen | # | Fp |
| ;4' | chelating agents | # | Fp |
| # Fq | nitriles | # | Fm |
| # Fr | nitrogenoxygen compounds oximes | # | Fm |
| # Fs | nitro compounds | # | Fm |
| ;4(| explosives | # | Fs |
| # Ft | nitroso compounds | # | Fm |
| # Fu | organosulfur organophosphorus and organometal compounds | # | FH |
| ;4) | organosulfur compounds | # | Fu |
| ;4* | skunk | # | Fu |
| # Fv | reactions of thiols | # | Fu |
| # Fw | organophosphorus compounds | # | Fu |
| # Fx | organometal compounds | # | Fu |
| ;4+ | ferrocene | # | Fx |
| # Fy | complex organic compounds | # | FH |
| # Fz | alkaloids | # | Fy |
| ;4, | coffee plant | # | Fz |
| # F{ | synthetic pesticides | # | Fy |
| ;4- | locusts | # | F{ |
| # F | synthetic and natural drugs | # | Fy |
| # F} | artificial sweeteners and flavorings | # | Fy |
| ;4. | monosodium glutamate | # | F} |
| # F~ | biochemistry | | NULL |
| ;4/ | digestion | # | F~ |
| ;40 | starling feeding | # | F~ |
| ¢P | large and small molecules | # | F~ |
| # F ^{DEL} | control mechanisms | # | F~ |
| ;41 | porphyrins | # | F ^{DEL} |
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| ;46 | phospholipids | # | Fà |
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| ;4< | polypeptides | # | Fë |
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| ;4= | hemoglobin | # | Fî |
| # F† | enzymes | # | F~ |

| | | |
|-------|---|-------|
| ;4> | fungi | # F̄ |
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| # F̄Å | enzyme systems | # F̄ |
| ;4@ | animal sexual reproduction | # F̄Å |
| # F̄É | nucleic acids | # F̄~ |
| # F̄æ | structures of nucleic acids | # F̄É |
| ;4A | dna | # F̄æ |
| # F̄Æ | the genetic code | # F̄É |
| # F̄ô | protein synthesis | # F̄É |
| ;4B | protein synthesis | # F̄ô |
| # F̄ö | mutations | # F̄É |
| | | |
| # F̄ò | biochemical energy | # F̄~ |
| ;4C | bacteria and algae | # F̄ò |
| # F̄û | anabolism and catabolism | # F̄ò |
| # F̄ù | the role of atp | # F̄ò |
| ;4D | role of atp | # F̄ù |
| # F̄ŷ | hydrogen and electron carriers | # F̄ò |
| ;4E | hydrogen and electron carrier system | # F̄ŷ |
| # F̄Ö | glycolysis | # F̄ò |
| ;4F | glycolysis and krebs cycle | # F̄Ö |
| # F̄Ü | acetyl coenzyme a | # F̄ò |
| # F̄ø | krebs cycle or citric acid cycle | # F̄ò |
| ;4G | krebs cycle | # F̄ø |
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| # F̄Ø | protein oxidation | # F̄ò |
| | | |
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| | | |
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| ;4I | photosynthesis second part | # F̄í |
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| # F̄ú | types of hormones | # F̄Ó |
| ;4L | ski jumper | # F̄ú |
| ;4M | steroids | # F̄ú |
| # F̄Ñ | biotechnology | # F̄~ |
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| # F̄º | genetic engineering | # F̄Ñ |
| ;4Q | fruit flies | # F̄º |
| ;4R | dna strands | # F̄º |
| # F̄¿ | largescale biotechnology | # F̄Ñ |
| ;4S | singlecell protein | # F̄¿ |
| # F̄ñ | special feature sending messages via pheromones | |
| ;4N | error | |
| ;4t | error | |
| ;4O | error | |

| | | |
|-------|---|-------|
| # F® | analytical chemistry | |
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| ;4V | analytical techniques | # F® |
| ¢P2 | uses | # F® |
| ;4W | double helix | ¢P2 |
| ;4X | forensic analysis | ¢P2 |
| ;4Y | high altitude balloon | ¢P2 |
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| # F½ | separation | # F® |
| ;4Z | chemical analysis | # F½ |
| # F¼ | detection | # F® |
| ;4[| quantitative techniques | # F¼ |
| # Fi | analysis qualitative versus quantitative | # F® |
| ;4\ | quality control testing | # Fi |
| # F« | qualitative inorganic analysis | # Fi |
| ;4] | qualitative inorganic analysis | # F« |
| # F» | qualitative organic analysis | # Fi |
| ;4^ | flame tests | # F» |
| # F■ | quantitative inorganic analysis | # Fi |
| ;4_ | volumetric analysis | # F■ |
| # F■ | spectroscopic analysis | # F® |
| ;4` | electromagnetic spectrum | # F■ |
| # F■ | emission spectroscopy and atomic absorption | # F■ |
| # F | electronic spectra | # F■ |
| # F | infrared and raman spectroscopy | # F■ |
| ;4a | infrared spectrometer | # F |
| # FA | resonance spectroscopies | # F■ |
| ;4b | nuclear magnetic spectrometer | # FA |
| # FA | advanced instrumental analysis | # F® |
| ;4c | spectrophotometer | # FA |
| # FA | mass spectrometry | # FA |
| ;4d | mass spectrograph | # FA |
| ;4e | mass spectrogram | # FA |
| # FC | surface analysis | # FA |
| # F | radiochemical analysis | # FA |
| # F | thermal analysis | # F® |
| # F | thermogravimetry | # F |
| ;4f | thermal decomposition | # F |
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| ;4h | differential thermal analysis | # F |
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| ;4j | low pressure chromatography | # FY |
| # F¬ | column chromatography | # F¢ |
| ;4k | column chromatography | # F¬ |
| # F L | plate thin layer chromatography tlc | # F¢ |
| ;4l | paper chromatography | # F L |
| # F L | paper chromatography | # F¢ |
| ;4m | descending paper chromatography | # F L |

| | | |
|-------------------|---|--------------------|
| ;4n | ascending paper chromatography | # F ¹ |
| # F _T | gas chromatography | # F ^c |
| ;4o | scientist analyzing fuel | # F _T |
| ;4p | gas chromatograph | # F _T |
| # F | gas chromatography and mass spectrometry | # F ^c |
| # F— | high performance liquid chromatography | # F ^c |
| # F+ | preparative chromatography | # F ^c |
| # Fā | other methods of separation | # F ^c |
| # FĀ | special feature beyond simple chemistry thresholds of discovery | [null][null][null] |
| ;4q | chemical researcher | # FĀ |
| ;4r | silver film image | # FĀ |
| ;4s | chlorophyll | # FĀ |
| | | |
| # F ^L | glossary | [null][null][null] |
| ¢PR | absorption | # F ^L |
| # F ^R | acid | # F ^L |
| # F ^L | actinide | # F ^L |
| # F _T | activation energy | # F ^L |
| # F | addition reaction | # F ^L |
| # F= | adenosine triphosphate | # F ^L |
| # F# | adsorption | # F ^L |
| # F¤ | alcohol | # F ^L |
| # Fð | aldehyde | # F ^L |
| | | |
| # FÐ | alicyclic | # F ^L |
| # FÊ | aliphatic | # F ^L |
| # FË | alkali | # F ^L |
| | | |
| # FÈ | alkaloid | # F ^L |
| # F€ | alkane | # F ^L |
| # Fí | alkene | # F ^L |
| # F̄ | alkyl group | # F ^L |
| # F̄i | alkyne | # F ^L |
| # F̄J | allotropy | # F ^L |
| # F̄r | alloy | # F ^L |
| # F̄■ | alpha particle | # F ^L |
| # F̄■ | amine | # F ^L |
| # F̄! | amino acid | # F ^L |
| # F̄i | analytical chemistry | # F ^L |
| # F̄■ | anion | # F ^L |
| # FÓ | anode | # F ^L |
| # Fß | antibiotic | # F ^L |
| # FÔ | antibody | # F ^L |
| # FÒ | argonon | # F ^L |
| # Fð | aromaticity | # F ^L |
| # Fõ | asymmetry | # F ^L |
| # Fμ | atom | # F ^L |
| # Fp | atomic number | # F ^L |
| # Fp | atp | # F ^L |
| # FU | base | # F ^L |
| # FÛ | beta particle | # F ^L |
| # FÙ | biochemistry | # F ^L |
| # Fý | bond | # F ^L |
| # FÝ | carbohydrate | # F ^L |

| | | | | |
|---|-------------------|--------------------------|---|-----------------|
| # | F ⁻ | carbonyl group | # | F ^{LL} |
| # | F' | carboxyl group | # | F ^{LL} |
| # | F | carboxylic acid | # | F ^{LL} |
| # | F± | catalysis | # | F ^{LL} |
| # | F= | catalyst | # | F ^{LL} |
| # | F ^{3/4} | cathode | # | F ^{LL} |
| # | F¶ | cation | # | F ^{LL} |
| # | F\$ | cellulose | # | F ^{LL} |
| # | F÷ | chain reaction | # | F ^{LL} |
| # | F, | chelation | # | F ^{LL} |
| # | F° | chlorophyll | # | F ^{LL} |
| # | F· | chromatography | # | F ^{LL} |
| # | F. | chromophore | # | F ^{LL} |
| # | F¹ | codon | # | F ^{LL} |
| # | F³ | coenzyme | # | F ^{LL} |
| # | F² | complex | # | F ^{LL} |
| # | F■ | compound | # | F ^{LL} |
| # | F | concentration | # | F ^{LL} |
| # | G ^{NULL} | condensation reaction | # | F ^{LL} |
| # | G | conductivity | # | F ^{LL} |
| # | G | coordinate bond | # | F ^{LL} |
| # | G | coordination compound | # | F ^{LL} |
| # | G | coordination number | # | F ^{LL} |
| # | G | corrosion | # | F ^{LL} |
| # | G | covalent bond | # | F ^{LL} |
| # | G | cracking | # | F ^{LL} |
| # | G | cyclic | # | F ^{LL} |
| # | G | dalton | # | F ^{LL} |
| # | G | delocalized electron | # | F ^{LL} |
| # | G | deoxyribonucleic acid | # | F ^{LL} |
| # | G | dna | # | F ^{LL} |
| # | G | electrode | # | F ^{LL} |
| # | G | electrolysis | # | F ^{LL} |
| # | G | electromagnetic spectrum | # | F ^{LL} |
| # | G | electron | # | F ^{LL} |
| # | G | electroplating | # | F ^{LL} |
| # | G | element | # | F ^{LL} |
| # | G | endothermic reaction | # | F ^{LL} |
| # | G | enzyme | # | F ^{LL} |
| # | G | equilibrium | # | F ^{LL} |
| # | G | esterification | # | F ^{LL} |
| # | G | exothermic reaction | # | F ^{LL} |
| # | G | fermentation | # | F ^{LL} |
| # | G | fluorescence | # | F ^{LL} |
| # | G | free radical | # | F ^{LL} |
| # | G | gamma ray | # | F ^{LL} |
| # | G | gene | # | F ^{LL} |
| # | G | halflife | # | F ^{LL} |
| # | G | halide | # | F ^{LL} |
| # | G | halogen | # | F ^{LL} |
| # | G | heterocyclic compound | # | F ^{LL} |

| | | | |
|-------|----------------------------|-----|---|
| #-G! | heteronuclear | #-F | L |
| #-G" | hexose | #-F | L |
| #-G# | homogeneous | #-F | L |
| #-G\$ | homonuclear | #-F | L |
| #-G% | hormone | #-F | L |
| #-G& | hydrocarbon | #-F | L |
| #-G' | hydrogen bond | #-F | L |
| #-G(| hydrogen ion concentration | #-F | L |
| #-G) | hydrophilic | #-F | L |
| #-G* | hydrophobic | #-F | L |
| #-G+ | hydroxyl group | #-F | L |
| #-G, | inert gas | #-F | L |
| #-G- | infrared radiation | #-F | L |
| #-G. | inhibition | #-F | L |
| #-G/ | inorganic chemistry | #-F | L |
| #-G0 | intermediate state | #-F | L |
| #-G1 | ion | #-F | L |
| #-G2 | ionic bond | #-F | L |
| #-G3 | ionizing radiation | #-F | L |
| #-G4 | isomerism | #-F | L |
| #-G5 | isotope | #-F | L |
| #-G6 | ketone | #-F | L |
| #-G7 | lanthanide | #-F | L |
| #-G8 | ligand | #-F | L |
| #-G9 | lipid | #-F | L |
| #-G: | lone pair | #-F | L |
| #-G; | macromolecule | #-F | L |
| #-G< | mass number | #-F | L |
| #-G= | metal | #-F | L |
| #-G> | microwave | #-F | L |
| #-G? | molecular biology | #-F | L |
| #-G@ | molecule | #-F | L |
| #-GA | monomer | #-F | L |
| #-GB | monosaccharide | #-F | L |
| #-GC | neutralization | #-F | L |
| #-GD | neutron | #-F | L |
| #-GE | noble gases | #-F | L |
| #-GF | nuclear fission | #-F | L |
| #-GG | nuclear fusion | #-F | L |
| #-GH | nucleic acid | #-F | L |
| #-GI | nucleotide | #-F | L |
| #-GJ | nucleus | #-F | L |
| #-GK | olefin | #-F | L |
| #-GL | orbital | #-F | L |
| #-GM | organic chemistry | #-F | L |
| #-GN | oxidation | #-F | L |
| #-GO | paraffin | #-F | L |
| #-GP | pentose | #-F | L |
| #-GQ | peptide | #-F | L |
| #-GR | periodic table | #-F | L |
| #-GS | ph | #-F | L |
| #-GT | pheromone | #-F | L |
| #-GU | phosphorescence | #-F | L |

| | | |
|---------------------|-----------------------|------------|
| # -GV | photochemistry | # -FLL |
| # -GW | photosynthesis | # -FLL |
| # -GX | plastic | # -FLL |
| # -GY | polymer | # -FLL |
| # -GZ | polysaccharide | # -FLL |
| # -G[| precipitate | # -FLL |
| # -G\ | protein | # -FLL |
| # -G] | proton | # -FLL |
| # -G^ | quantum number | # -FLL |
| # -G_ | radiation | # -FLL |
| # -G` | radical | # -FLL |
| # -Ga | radioactivity | # -FLL |
| # -Gb | rare earth | # -FLL |
| # -Gc | rare gases | # -FLL |
| # -Gd | reactant | # -FLL |
| # -Ge | reaction | # -FLL |
| # -Gf | reagent | # -FLL |
| # -Gg | reduction | # -FLL |
| # -Gh | ribonucleic acid | # -FLL |
| # -Gi | ribosome | # -FLL |
| # -Gj | rna | # -FLL |
| # -Gk | salt | # -FLL |
| # -Gl | saponification | # -FLL |
| # -Gm | saturation | # -FLL |
| # -Gn | shell | # -FLL |
| # -Go | solute | # -FLL |
| # -Gp | solution | # -FLL |
| # -Gq | solvent | # -FLL |
| # -Gr | spectroscopy | # -FLL |
| # -Gs | spectrum | # -FLL |
| # -Gt | starch | # -FLL |
| # -Gu | stereoisomerism | # -FLL |
| # -Gv | steroid | # -FLL |
| # -Gw | sublimation | # -FLL |
| # -Gx | sugar | # -FLL |
| # -Gy | superconductivity | # -FLL |
| # -Gz | synthesis | # -FLL |
| # -G{ | tautomerism | # -FLL |
| # -G | titration | # -FLL |
| # -G} | transition element | # -FLL |
| # -G~ | transition state | # -FLL |
| # -G _{PEL} | triglyceride | # -FLL |
| # -GÇ | triose | # -FLL |
| # -Gü | ultraviolet radiation | # -FLL |
| # -Gé | unsaturated compound | # -FLL |
| # -Gâ | unsaturation | # -FLL |
| # -Gä | vaccine | # -FLL |
| # -Gà | valence | # -FLL |
| # -Gå | virus | # -FLL |
| # -Gç | vitamin | # -FLL |
| # -Gê | wavelength | # -FLL |
| # -Gë | x ray | # -FLL |
| :Ü F | copyright information | [REDACTED] |

:Ü F■ overview

Sheet1

CHILDNUMNUMCHILMMEDUSERNOTE,MPAFHTML/VERS EMBEDLIST,NREFLIST,M MEDIADBID

Sheet1

The image consists of a uniform grid of 1000 columns and 1000 rows. Each individual cell in the grid contains the character 'NUL'. The entire grid is set against a white background.

Sheet1

The image consists of a large grid of 1000 small squares arranged in a single horizontal row. Each square contains the text "NUL" in a black sans-serif font. The squares are separated by thin white lines, creating a pattern of alternating black and white rectangles.

Sheet1

The image consists of a uniform grid of 1000 columns and 1000 rows of small square cells. Each cell contains the lowercase letter 'k'. The grid is set against a white background.

Sheet1

The image consists of a uniform grid of 1000 columns and 1000 rows of small square cells. Each cell contains the character 'NUL'. The grid is set against a white background.

Sheet1

The image shows a 10x10 grid of small square matrices. Each matrix is a 4x4 grid of binary digits (0 or 1). In the top-left corner of each matrix, there is a lowercase letter 'k'. To the right of the grid, there is a vertical column of labels consisting of the digit '0' and the digit '1' repeated ten times. The matrices themselves are mostly filled with zeros, with some ones scattered across them.

Sheet1

The image consists of a 10x10 grid of 100 small square icons. Each icon contains the lowercase letter 'k'. The icons are arranged in a single row.

Sheet1

The image consists of a large grid of 1000 small squares arranged in a single horizontal row. Each square contains the lowercase letter 'k'. The squares are evenly spaced and have a thin black border.

Sheet1

Sheet1

Sheet1

Sheet1

Sheet1

NUL

NUL

NUL NUL NUL NUL

UPLICAT,C,1