1 Sample

1.1 Bacteria

This section is about bacteria.

1.1.1 First Use

Clostridium botulinum, Pseudomonas putida, Clostridium perfringens, Bacillus subtilis, Clostridium tetani, Planifilum composti, Planifilum fimeticola, Coxiella burnetii, Rickettsia australis, Rickettsia rickettsii.

1.1.2 Next Use


1.2 Markup Languages

This section is about markup languages.

1.2.1 First Use

LaTeX, markdown, extensible hypertext markup language (XHTML), mathematical markup language (MathML), scalable vector graphics (SVG).

1.2.2 Next Use

LaTeX, markdown, XHTML, MathML, SVG.

1.3 Vegetables

This section is about vegetables. Cabbage, Brussels sprout, artichoke, cauliflower, courgette, spinach.

1.4 Minerals

This section is about minerals. Beryl, amethyst, chalcedony, aquamarine, aragonite, calcite, bflinite, cyanotrichite, biotite, dolomite, quetzalcoatlite, vulcanite.
1.5 Animals

This section is about animals. Duck, parrot, hedgehog, sea lion, zander, aardvark, zebra, swan, armadillo.

1.6 Chemicals

This section is about chemical formulae. \( \text{Al}_2\text{(SO}_4\text{)}_3 \) (aluminium sulfate), \( \text{H}_2\text{O} \) (water), \( \text{C}_6\text{H}_{12}\text{O}_6 \) (glucose), \( \text{CH}_3\text{CH}_2\text{OH} \) (ethanol), \( \text{CH}_3\text{O} \) (formaldehyde), \( \text{OF}_2 \) (oxygen difluoride), \( \text{O}_2\text{F}_2 \) (dioxygen difluoride), \( \text{SO}_4^{2-} \) (sulfate), \( \text{H}_3\text{O}^+ \) (hydronium), \( \text{OH}^- \) (hydroxide ion), \( \text{O} \) (oxygen), \( \text{Al}_2\text{CoO}_4 \) (cobalt blue), \( \text{As}_4\text{S}_4 \) (tetraarsenic tetrasulfide), \( \text{C}_{10}\text{H}_{10}\text{O}_4 \) (ferulic acid), \( \text{C}_5\text{H}_4\text{NCOOH} \) (niacin), \( \text{C}_8\text{H}_{10}\text{N}_4\text{O}_2 \) (zirconium phosphate), \( \text{ZnF}_2 \) (zinc fluoride).

1.7 SI Units

Base SI units: \( \text{A} \) (measures electric current), \( \text{kg} \) (measures mass), \( \text{m} \), \( \text{s} \), \( \text{K} \), \( \text{mol} \), \( \text{cd} \).

Derived SI units: \( \text{m}^2 \), \( \text{m}^3 \), \( \text{m}^{-1} \), \( \text{m}^{-2} \), \( \text{A} \text{m}^{-2} \), \( \text{cd} \text{m}^{-2} \), \( \text{m}^{-1} \text{kg}^{-1} \), \( \text{mol} \text{m}^{-3} \), \( \text{m}^{-3} \).

1.8 Books and Films

Books: *A Tale of Two Cities* (by Charles Dickens), *The Big Sleep* (by Raymond Chandler, film adaptation: *The Big Sleep*), *Ice Cold in Alex* (by Christopher Landon, film adaptation: *Ice Cold in Alex*), *Why Didn’t They Ask Evans?* (by Agatha Christie (Lady Mallowan), film adaptation: *Why Didn’t They Ask Evans?*), *Do Androids Dream of Electric Sheep?* (by Philip K. Dick, inspired the film *Blade Runner*).


1.9 Miscellaneous Symbols

1.9.1 First Use

Media controls: \( \text{▶} \) (play), \( \text{▷} \) (next track), \( \text{◁} \) (back to start of track), \( \text{◂} \) (rewind).

Information: \( \text{◎} \) (bicycleroute), \( \text{} \) (café), \( \text{} \) (information centre), \( \text{♂} \) (Gents), \( \text{♀} \) (Ladies), \( \text{} \) (wheelchair access provided), \( \text{} \) (recycling centre).

Weather: \( \text{☁} \) (cloudy), \( \text{霾} \) (foggy), \( \text{❄} \) (hail), \( \text{☀} \) (sunny), \( \text{🌩} \) (thunderstorm).
1.9.2 Next Use

Media controls: ▶, ▶️, ⟨, □️.
Information: ™, ®, ™, ™, ™, ™.
Weather: ☔️, ☔️️, ☔️️️, ☔️️️️.

1.10 Measurements

Measurements: electric current, area, length.
2 Glossaries

Bacteria

\begin{itemize}
  \item \textit{B. subtilis} \textit{Bacillus subtilis}.
  \item \textit{C. botulinum} \textit{Clostridium botulinum}.
  \item \textit{C. burnetii} \textit{Coxiella burnetii}.
  \item \textit{C. perfringens} \textit{Clostridium perfringens}.
  \item \textit{C. tetani} \textit{Clostridium tetani}.
  \item \textit{P. composti} \textit{Planifilum composti}.
  \item \textit{P. fimeticola} \textit{Planifilum fimeticola}.
  \item \textit{P. putida} \textit{Pseudomonas putida}.
  \item \textit{R. australis} \textit{Rickettsia australis}.
  \item \textit{R. rickettsii} \textit{Rickettsia rickettsii}.
\end{itemize}

Markup Languages

\begin{itemize}
  \item \textbf{HTML (hypertext markup language)}
    \begin{itemize}
      \item The standard markup language for creating web pages.
    \end{itemize}
  \item \textbf{\LaTeX}
    \begin{itemize}
      \item A format of \TeX\ designed to separate content from style.
    \end{itemize}
  \item \textbf{markdown}
    \begin{itemize}
      \item A lightweight markup language with plain text formatting syntax.
    \end{itemize}
  \item \textbf{MathML (mathematical markup language)}
    \begin{itemize}
      \item Markup language for describing mathematical notation.
    \end{itemize}
  \item \textbf{SVG (scalable vector graphics)}
    \begin{itemize}
      \item XML-based vector image format.
    \end{itemize}
  \item \textbf{\TeX}
    \begin{itemize}
      \item A format for describing complex type and page layout often used for mathematics, technical, and academic publications.
    \end{itemize}
  \item \textbf{XHTML (extensible hypertext markup language)}
    \begin{itemize}
      \item XML version of HTML.
    \end{itemize}
  \item \textbf{XML (extensible markup language)}
    \begin{itemize}
      \item A markup language that defines a set of rules for encoding documents.
    \end{itemize}
\end{itemize}
Vegetables

artichoke a variety of thistle cultivated as food.
Brussels sprout small leafy green vegetable buds.
cabbage vegetable with thick green or purple leaves.
cauliflower type of cabbage with edible white flower head.
courgette immature fruit of a vegetable marrow.
marrow long white-fleshed gourd with green skin.
spinach green, leafy vegetable.

Minerals

A

amethyst purple variety of quartz.
aquamarine light blue variety of beryl.
aragonite a crystal form of calcium carbonate.

B

beryl composed of beryllium aluminium cyclosilicate.
bílinite an iron sulfate mineral.
biotite a common phyllosilicate mineral.

C

calcite a crystal form of calcium carbonate.
chalcedony cryptocrystalline variety of quartz.
cyanotrichite a hydrous copper aluminium sulfate mineral.

D

dolomite an anhydrous carbonate mineral.

Q

quartz hard mineral consisting of silica.
quetzalcoatlite a rare tellurium oxysalt mineral.

V

vulcanite a rare copper telluride mineral.
Animals

aardvark nocturnal African burrowing mammal.
armadillo nocturnal insectivore with large claws.
duck a waterbird with webbed feet.
hedgehog small nocturnal mammal with a spiny coat and short legs.
parrot mainly tropical bird with bright plumage.
sea lion a large type of seal.
seal sea-dwelling fish-eating mammal with flippers.
swan a large waterbird with a long flexible neck, short legs, webbed feet and a broad bill.
zander large freshwater perch.
zebra wild African horse with black-and-white stripes.

People

Dame Agatha Mary Clarissa Christie (Lady Mallowan) English crime novelist and playwright (15th September 1890 – 12th January 1976).
Charles Dickens English writer and social critic (7th February 1812 – 9th June 1870).
Christopher Guy Landon British novelist and screenwriter (29th March 1911 – 26th April 1961).

Books

The Big Sleep novel by Raymond Chandler.
The Hobbit novel by J.R.R. Tolkien.
Ice Cold in Alex novel by Christopher Landon.
The Lord of the Rings novel by J.R.R. Tolkien.
A Tale of Two Cities novel by Charles Dickens.
Why Didn’t They Ask Evans? novel by Agatha Christie.
Films

**The Big Sleep** A film based on the novel *The Big Sleep* (released 1946) featuring Humphrey Bogart & Lauren Bacall.

**Blade Runner** A film loosely based on the novel *Do Androids Dream of Electric Sheep?* (released 1982) featuring Harrison Ford, Rutger Hauer & Sean Young.


**Ice Cold in Alex** A film based on the novel *Ice Cold in Alex* (released 1958) featuring John Mills, Anthony Quayle & Sylvia Sims.


Chemical Formula

<table>
<thead>
<tr>
<th>A</th>
<th>O</th>
</tr>
</thead>
<tbody>
<tr>
<td>AlF₃</td>
<td>O₂</td>
</tr>
<tr>
<td>Al₂(SO₄)₃</td>
<td>O₂F²⁻</td>
</tr>
<tr>
<td>Al₂CoO₄</td>
<td>OH⁻</td>
</tr>
<tr>
<td>As₄S₄</td>
<td>O₂</td>
</tr>
<tr>
<td>CH₂O</td>
<td>SO₂</td>
</tr>
<tr>
<td>CH₃CH₂OH</td>
<td>SO₄²⁻</td>
</tr>
<tr>
<td>C₅H₄NCOOH</td>
<td>S₂O₇²⁻</td>
</tr>
<tr>
<td>C₆H₁₂O₆</td>
<td>SbBr₃</td>
</tr>
<tr>
<td>C₈H₁₀N₄O₂</td>
<td>Sc₂O₃</td>
</tr>
<tr>
<td>C₁₆H₁₀O₄</td>
<td>ZnF₂</td>
</tr>
<tr>
<td>H₂O</td>
<td>water.</td>
</tr>
<tr>
<td>H₃O⁺</td>
<td>hydronium.</td>
</tr>
</tbody>
</table>
Measurements

acceleration  metre per second squared (m s\(^{-2}\)).
amount of substance  mole (mol).
area  square metre (m\(^2\)).
concentration  mole per cubic metre (mol m\(^{-3}\)).
density  ampere per square metre (A m\(^{-2}\)).
electric current  ampere (A).
length  metre (m).
luminance  candela per square metre (cd m\(^{-2}\)).
luminous intensity  candela (cd).
mass  kilogram (kg).
specific volume  cubic metre per kilogram (m\(^3\) kg\(^{-1}\)).
thermodynamic temperature  kelvin (K).
time  second (s).
velocity  metre per second (m s\(^{-1}\)).
volume  cubic metre (m\(^3\)).
wave number  per metre (m\(^{-1}\)).

SI Units

A  ampere.
cd  candela.
K  kelvin.
kg  kilogram.
m  metre.
mol  mole.
s  second.

Information Symbols

anych bicycle route.
café.
football stadium.
Gents.
information centre.
Ladies.
recycling centre.
wheelchair access provided.
Media Control Symbols

¬¬ back to start of track.
▶▶ next track.
▶ play.
◄ rewind.

Weather Symbols

∞ cloudy.
☑ foggy.
★ hail.
☀ sunny.
♫ thunderstorm.
Index

Symbols

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>¤</td>
<td>(back to start of track), 2, 3, 9</td>
</tr>
<tr>
<td>®</td>
<td>(bicycle route), 2, 3, 8</td>
</tr>
<tr>
<td>☁</td>
<td>(cloudy), 2, 3, 9</td>
</tr>
<tr>
<td>☁ ☁</td>
<td>(foggy), 2, 3, 9</td>
</tr>
<tr>
<td>⚑</td>
<td>(football stadium), 2, 3, 8</td>
</tr>
<tr>
<td>¶</td>
<td>(rewind), 2, 3, 9</td>
</tr>
<tr>
<td>☀</td>
<td>(sunny), 2, 3, 9</td>
</tr>
<tr>
<td>⚡</td>
<td>(thunderstorm), 2, 3, 9</td>
</tr>
<tr>
<td>≪ ≫</td>
<td>(next track), 2, 3, 9</td>
</tr>
<tr>
<td>▶</td>
<td>(play), 2, 3, 9</td>
</tr>
<tr>
<td>⊝</td>
<td>(recycling centre), 2, 8</td>
</tr>
<tr>
<td>◔</td>
<td>(information centre), 2, 3, 8</td>
</tr>
<tr>
<td>❶</td>
<td>(Ladies), 2, 3, 8</td>
</tr>
<tr>
<td>❷</td>
<td>(Gents), 2, 3, 8</td>
</tr>
<tr>
<td>≁</td>
<td>(wheelchair access provided), 2, 3, 8</td>
</tr>
</tbody>
</table>

A

aardvark, 2, 6
acceleration (m s\(^{-2}\)), 2, 8
aluminium sulfate, Al\(_2\)(SO\(_4\))\(_3\), 2, 7
aluminium trifluoride, AlF\(_3\), 2, 7
amethyst, 1, 5
amount of substance (mol), 2, 8
ampere (A), 2, 3, 8
animal, 2
antimony(III) bromide, SbBr\(_3\), 2, 7
aquamarine, 1, 5
aragonite, 1, 5
area (m\(^2\)), 2, 3, 8
armadillo, 2, 6
artichoke, 1, 5

B

Bacillus subtilis, 1, 4
back to start of track (¤), 2, 3, 9
bacteria, 1
base SI unit, 2
beryl, 1, 5
bicycle route (®), 2, 3, 8
The Big Sleep, 2, 6, 7
The Big Sleep (film), 2, 7
bilinite, 1, 5
biotite, 1, 5
Blade Runner (film), 2, 7
book, 2
Brussels sprout, 1, 5

C

cabbage, 1, 5
café (☕), 2, 3, 8
caffeine, C\(_8\)H\(_10\)N\(_4\)O\(_2\), 2, 7
calcite, 1, 5
candela (cd), 2, 8
cauliflower, 1, 5
cchalcedony, 1, 5
Chandler, Raymond, 2, 6
chemical formula, 2
Christie, Agatha, 2, 6
Clostridium botulinum, 1, 4
Clostridium perfringens, 1, 4
Clostridium tetani, 1, 4
cloudy (☁), 2, 3, 9
cobalt blue, Al\(_2\)CoO\(_4\), 2, 7
concentration (mol m\(^{-3}\)), 2, 8
courgette, 1, 5
Coxiella burnetii, 1, 4
cyanotrichite, 1, 5
density (A m\(^{-2}\)), 2, 8
derived SI unit, 2
Dick, Philip K., 2, 6
Dickens, Charles, 2, 6
dioxygen, O\(_2\), 2, 7
dioxygen difluoride, O\(_2\)F\(_2\), 2, 7
disulfate ion, S\(_2\)O\(_7^{2-}\), 2, 7
Do Androids Dream of Electric Sheep?, 2, 6, 7
dolomite, 1, 5
duck, 2, 6

electric current (A), 2, 3, 8
ethanol, CH\(_3\)CH\(_2\)OH, 2, 7
extensible hypertext markup language (XHTML), 1, 4
extensible markup language (XML), 4
ferulic acid, C\(_{10}\)H\(_{10}\)O\(_4\), 2, 7
film, 2
foggy (䷀), 2, 3, 9
football stadium ( реализаций), 2, 3, 8
formaldehyde, CH\(_2\)O, 2, 7

glucose, C\(_6\)H\(_{12}\)O\(_6\), 2, 7

hail (:Register), 2, 3, 9
hedgehog, 2, 6

The Hobbit, 2, 6, 7
The Hobbit: The Battle of Five Armies (film), 2, 7
The Hobbit: The Desolation of Smaug (film), 2, 7
The Hobbit: An Unexpected Journey (film), 2, 7
hydronium, H\(_3\)O\(^+\), 2, 7
hydroxide ion, OH\(^-\), 2, 7
hypertext markup language (HTML), 4

Ice Cold in Alex, 2, 6, 7
Ice Cold in Alex (film), 2, 7
information, 2, 3
information centre ( 중심), 2, 3, 8
kelvin (K), 2, 8
kilogram (kg), 2, 8

L

Ladies (:Register), 2, 3, 8
Landon, Christopher, 2, 6
LaTeX, 1, 4
length (m), 2, 3, 8
lettsomite, see cyanotrichite
The Lord of the Rings, 2, 6, 7
The Lord of the Rings: The Fellowship of the Ring (film), 2, 7
The Lord of the Rings: The Return of the King (film), 2, 7
The Lord of the Rings: The Two Towers (film), 2, 7
luminance (cd m\(^{-2}\)), 2, 8
luminous intensity (cd), 2, 8

markdown, 1, 4
markup language, 1
marrow, 5
mass (kg), 2, 8
mathematical markup language (MathML), 1, 4
measurement, 3
media control, 2, 3
metre (m), 2, 3, 8
mineral, 1
mole (mol), 2, 8
N
next track (▶▷), 2, 3, 9
niacin, C₅H₄NCOOH, 2, 7

O
oxygen, O, 2, 7
oxygen difluoride, OF₂, 2, 7

P
parrot, 2, 6
Planifilum composti, 1, 4
Planifilum fmeticola, 1, 4
play (▶), 2, 3, 9
Pseudomonas putida, 1, 4

Q
quartz, 5
quetzalcoatlite, 1, 5

R
recycling centre (∞), 2, 8
rewind (▷), 2, 3, 9
Rickettsia australis, 1, 4
Rickettsia rickettsii, 1, 4

S
scalable vector graphics (SVG), 1, 4
scandium oxide, Sc₂O₃, 2, 7
sea lion, 2, 6
seal, 6
second (s), 2, 8
specific volume (m³ kg⁻¹), 2, 8
spinach, 1, 5

T
sulfate, SO₄²⁻, 2, 7
sulfur dioxide, SO₂, 2, 7
sunny (☀), 2, 3, 9
swan, 2, 6

A Tale of Two Cities, 2, 6
tetraarsenic tetrasulfide, As₄S₄, 2, 7
ΤεΧ, 4
thermodynamic temperature (K), 2, 8
thunderstorm ( ^= ), 2, 3, 9
time (s), 2, 8
Tolkien, J.R.R., 2, 6

V
vegetable, 1
velocity (m s⁻¹), 2, 8
volume (m³), 2, 8
vulcanite, 1, 5

W
water, H₂O, 2, 7
wave number (m⁻¹), 2, 8
weather, 2, 3
wheelchair access provided (ategori), 2, 3, 8
Why Didn’t They Ask Evans?, 2, 6, 7
Why Didn’t They Ask Evans? (film), 2, 7

Z
zander, 2, 6
zebra, 2, 6
zinc fluoride, ZnF₂, 2, 7
zirconium phosphate, Zr₃(PO₄)₄, 2, 7
zucchini, see courgette