

## Reference Sheet for Emacs

### Why?

I have so many things installed, I'm forgetting some of the stuff that I installed to be more productive! Whence this "personal" cheat sheet. —I'm not trying to be comprehensive; see the existing cheatsheets for Emacs and Org.

<b>C-h C-h</b>	Help for the help command
<b>C-h h</b>	Learn how to say 'hello'
<b>C-h t</b>	Read the Emacs tutorial
<b>C-h m</b>	Help for current mode
<b>C-h b</b>	Describe all key bindings
<b>C-h i m emacs</b>	Read the Emacs manual

In nearly every Emacs application, press

?, **h** Obtain help; see listing of possible commands.

**q** Quit current application, closing buffer.

Use Emacs in any text area on my OS with **Cmd Shift e**.

### Getting Help

<b>C-h o</b>	Describe symbol at point; best one.
<b>C-h k, f, m</b>	Describe key press, function name, or mode
<b>C-h a</b>	Apropos: Show commands matching a string
<b>C-h e</b>	Open *Messages* buffer in another window
<b>C-h i</b>	Enter Info documentation reader

### Windows

<b>C-x 0, 1</b>	Delete this, other windows
<b>C-x 2, 3</b>	Split window above, to the side
<b>C-x o</b>	Switch cursor to other window
<b>C-x ^</b>	Increase window height
<b>C-x {, }</b>	Shrink, widen window

Using **C-x 5 ...** in place of **C-x ...** operates on the 'frame' level —i.e., other Emacs GUI instances. **C-x 4 ?** is for acting on the other window, where ? = **f, d, b** for finding file, directory, buffer. Perhaps most useful is **C-x 4 c** for working with different parts of the same buffer.

<b>"s-&lt;arrow&gt;"</b>	Jump to window via arrow key
<b>"M-&lt;tab&gt;"</b>	Flip to next buffer
<b>"M-S-&lt;tab&gt;"</b>	Flip to previous buffer

### Workspace Manager

All commands are prefixed by **C-x x**; main commands:

<b>s</b>	Select a space to go to or create it.
<b>n, ↵, p, ⇐</b>	Next, previous space
<b>c</b>	Query a perspective to kill.
<b>r</b>	Rename a perspective.
<b>A</b>	Add buffer to current perspective & remove it from all others.

### Undo tree

- ◇ **C-x u** Visualise undo tree.
  - **t, d** toggle timestamps and diff display.
  - **M-[, ]** Go to previous, next branching point.
  - **q** Exit at currently selected state.
- ◇ **C-x r u** Save current buffer state.
- ◇ **C-x r U** Restore saved buffer state.

Save & restore is useful for experimenting with a function definition, for example.

### Killing

<b>C, M-d</b>	forward kill character, word
<b>C, M-del</b>	backward kill word prefix
<b>C-k, "M-k"</b>	forward, backward kill line
<b>C-x del</b>	backward kill sentence
<b>C, M-w</b>	Kill, copy region
<b>C-x r k</b>	Kill region
<b>C-x C-o</b>	Delete all but one consecutive blank lines
<b>M-y</b>	Show kill ring, with "helm"

### Marking

<b>C-SPC</b>	Set mark
<b>C-x C-x</b>	Exchange point & mark
<b>C-x h</b>	Mark buffer
<b>[C-u ] M-@</b>	Mark a / words away
<b>M-h</b>	Mark current paragraph

### Formatting

By default **C-t** is transpose characters; I'm using it quickly open a terminal.

<b>C-M-\</b>	Indent region, mode dependent
<b>C-x tab</b>	Indent region <i>arg</i> columns or ←, →
<b>M-;</b>	Toggle comment region
<b>C-c ;</b>	Org toggle comment subtree
<b>C-M-o</b>	Move rest of line vertically down
<b>M-u, l</b>	Uppcase, downcase rest of word
<b>C-x C-u, l</b>	Uppcase, downcase region
<b>C-x r t</b>	Prepend string to marked lines
<b>M-t</b>	Transpose current word with next
<b>C-x C-t</b>	Transpose current line with above

### Dictionary & Thesaurus

<b>M-\$</b>	Spellcheck word
<b>"M-#"</b>	Synonym for word
<b>"M-!"</b>	Define word
<b>"M-~"</b>	Grammar check region

### Textual Navigation

<b>C-b, f</b>	←, → character
<b>M-b, f</b>	←, → word
<b>C-p, n</b>	↑, ↓ line
<b>M-g g</b>	go to a line
<b>C-a, e</b>	start, end line
<b>M-a, e</b>	start, end sentence
<b>M-{, }</b>	start, end paragraph
<b>M-&lt;, &gt;</b>	start, end buffer
<b>C-v</b>	down page
<b>M-v</b>	up page
<b>C-l</b>	centre page
<b>M-r</b>	relocate point

Org-mode: All commands are prefixed by **C-c**.

<b>n, p</b>	next, previous heading
<b>f, b</b>	n, p same level heading
<b>C-u</b>	backward to higher heading
<b>C-j</b>	↑↓ jump to another heading
<b>"C-h"</b>	Fold current tree

Using the "super key" to navigate between org blocks.

<b>"s-p, n"</b>	Previous, next src block
<b>"s-e"</b>	Toggled editing src block

## Mail

C-x m Compose  
 C-c C-s Send  
 M-x gnus Read mail

Then,

RET Open article  
 B m Move an article  
 ! Mark as read, but it keep around  
 d Mark as read; archive it.  
 R Reply in-place.  
 r Reply in clean slate.

Delete an article by moving it to ‘Trash’.

## Completion

M-/ Expand previous word dynamically  
 M-<digit> Select one of the 10 suggestions

## Narrowing

This allows us to “zoom in” or “focus” on a particular region; the rest of the buffer is ‘hidden’. All commands begin with C-x n.

n Narrow to region  
 w Widen to full view  
 e Narrow to org element  
 s Org narrow current tree

## Searching

C-s Search current buffer  
 “C-M-s” Search *all* buffers  
 “C-S-s” Back to where search began  
 M-s M-w Search region in Web

C-c C-e during a search to make live edits.

## Org Visibility

tab Cycle visibility  
 S-tab Cycle *global* visibility  
 C-c C-x C-v Toggle inline image display  
 C-c C-x C-1 Toggle, preview, L<sup>A</sup>T<sub>E</sub>X for tree

## Structure Editing

<return> Newline with indentation  
 M-<return> Newline with new org item  
 M-S-<return> Ditto, but with a TODO marker  
 C-M-<return> Newline, cursor at start  
 C-<return> New heading *after* current content  
 C-S-<return> Ditto, but with a TODO marker  
 C-c -, \*  
 M-←, → Promote, demote heading  
 C-c C-t Set state of tree  
 C-c , A,B,C Set priority A, B, or C for tree  
 C-c , Spc Remove priority from tree  
 M-↑, ↓ Move *any* org element up or down  
 M-S-↑, ↓ Move a line up or down  
 C-c c Capture new item  
 C-c C-x C-a Archive tree

## Babel

C-c C-c Execute code block  
 C-c C-v j Insert header argument  
 C-c C-v I View, possibly global, header info  
 C-c C-v g Go to named block  
 C-c C-v n, p Go to next, previous block  
 C-c C-v d Demarcate, split up, code block  
 C-c C-v t Tangle all blocks in buffer

## Misc

M-x list-input-methods show all input methods

C-c C-x p, e Set property, effort of tree  
 C-c C-x i Capture column view in dynamic block  
 C-+ Increase text size  
 C-- Decrease text size  
 “C-x d” Toggle Neotree file browser  
 “C-c C-m” Re-compile; execute local compile command  
 “<f5>”, s-r Reload buffer from disk  
 “C-” Swap 2 horizontal windows to vertical  
 “C-t” Quickly pop-up a terminal  
 C-c C-o Open link at point

## Org Speed Keys

With cursor at the beginning of an org headline:

# Toggle COMMENT-ing  
 t Select state  
 s Toggle narrowing  
 I, O, E Clock in, out; add effort  
 p, n Previous, next heading  
 f, b p, n for same-level  
 u Upward to parent  
 c Cycle visibility  
 w Refile, relocate  
 ~ Sort children trees  
 D, U Move heading down, up  
 L, R Promote, demote  
 1, 2, 3 Select priority  
 ? See possible keys

## Timestamps

C-c . Prompt for date & insert timestamp  
 C-c C-d Insert deadline for tree  
 C-c C-s Schedule a tree  
 S-↑, ↓, →, ← Alter timestamp by a day →←, year ↓↑  
 C-c C-x C-t Globally toggle date display

## Clocking Time

C-c C-x C-i, o Start, stop clock on tree  
 C-c C-x C-r Insert, update, clock report  
 C-c C-x C-e Insert effort for current clock

## Agenda

C-c c Capture an idea quickly  
 C-c a Open agenda to see tasks  
 C-c j Discuss what’s accomplished  
 C-c C-z Add note to current tree  
 C-c C-s Schedule a task  
 C-c C-a Archive a task

C-c a a See agenda for the week  
 “C-c a c” See completed tasks  
 “C-c a u” See unscheduled tasks

C-c a t Compile global todo list  
 C-c C-x b Open agenda task in dedicated indirect buffer  
 F Toggle follow mode: See details as you navigate  
 v Change agenda view, e.g., to day or month  
 f / b Forward, backward a view, e.g., day or month  
 R See report of total clocked time  
 . / j Go to today, or prompt for a date  
 e, t, a Remotely set effort, state, or archive  
 I, O, X Start, stop, cancel clock on current item  
 C-c C-x C-r See clocked times report