

```
\topinsert <vertical mode material> \endinsert
\midinsert <vertical mode material> \endinsert
\pageinsert <vertical mode material> \endinsert
```

These commands produce different forms of insertions that instruct (or allow) T<sub>E</sub>X to relocate the *<vertical mode material>*:

- `\topinsert` attempts to put the material at the top of the current page. If it won't fit there, `\topinsert` will move the material to the next available top of page.
- `\midinsert` attempts to put the material at the current position. If it won't fit there, `\midinsert` will move the material to the next available top of page.
- `\pageinsert` puts the material by itself on the next page. To avoid an underfull page, be sure to end the inserted material with `\vfil` or fill out the excess space some other way.

The *<vertical mode material>* is said to be “floating” because T<sub>E</sub>X can move it from one place to another. Insertions are very useful for material such as figures and tables because you can position such material where you want it without knowing where the page breaks will fall.

Each of these commands implicitly ends the current paragraph, so you should use them only between paragraphs. You should not use them within a box or within another insertion. If you have several insertions competing for the same space, T<sub>E</sub>X will retain their relative order.

*Example:*

```
\pageinsert
% This text will appear on the following page, by itself.
This page is reserved for a picture of the Queen of Hearts
sharing a plate of oysters with the Walrus and
the Carpenter.
\endinsert
```