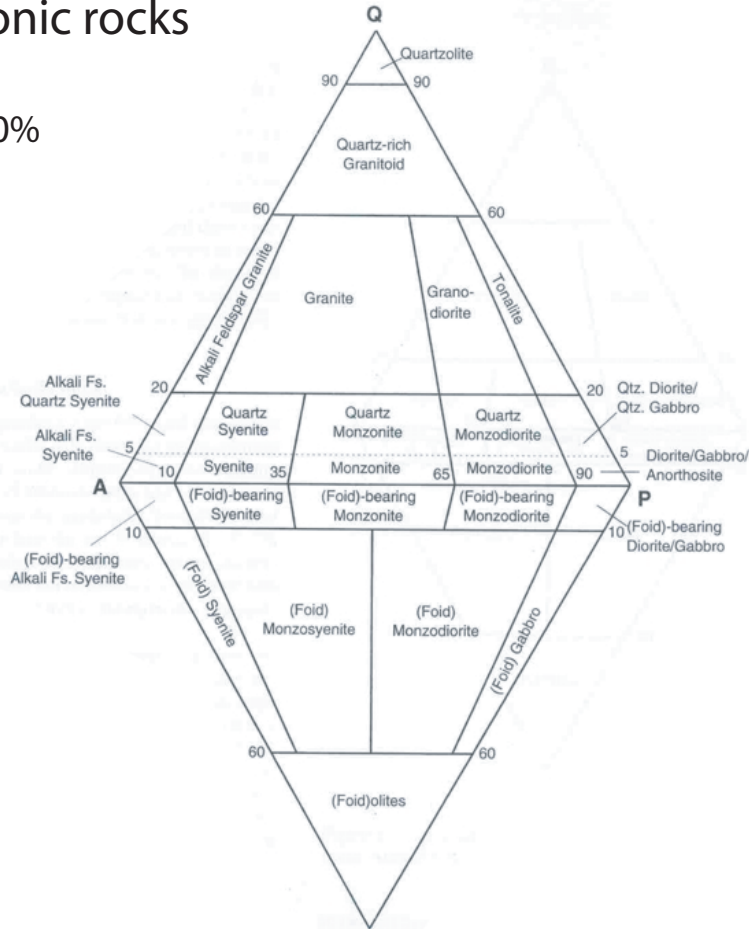


IUGS modal classification

1) Plutonic rocks

a) $M < 90\%$



Gabbro/diorites:

Gabbro if:

An% > 50

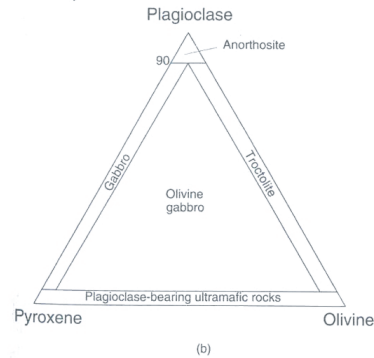
or

M > 35

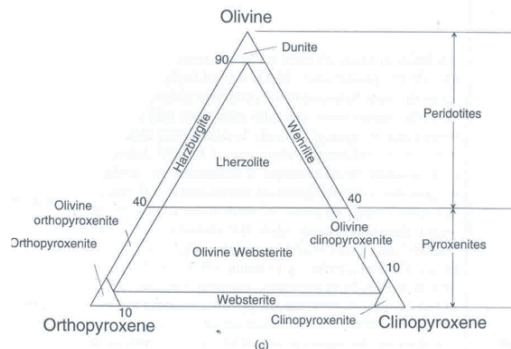
Pyroxene (not amphibole)

SiO₂ < 52%

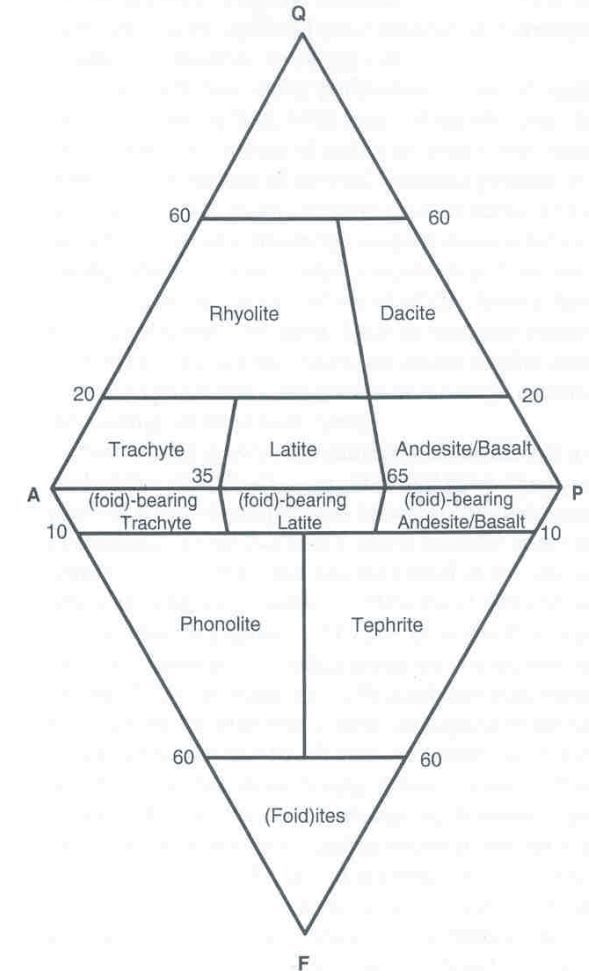
Sub-classification for gabbros



b) $M > 90\%$



2) Volcanic rocks



Basalt/andesite

Basalt if:

SiO₂ < 52%

or

An% > 50

M > 35

Pyroxene (not amphibole)