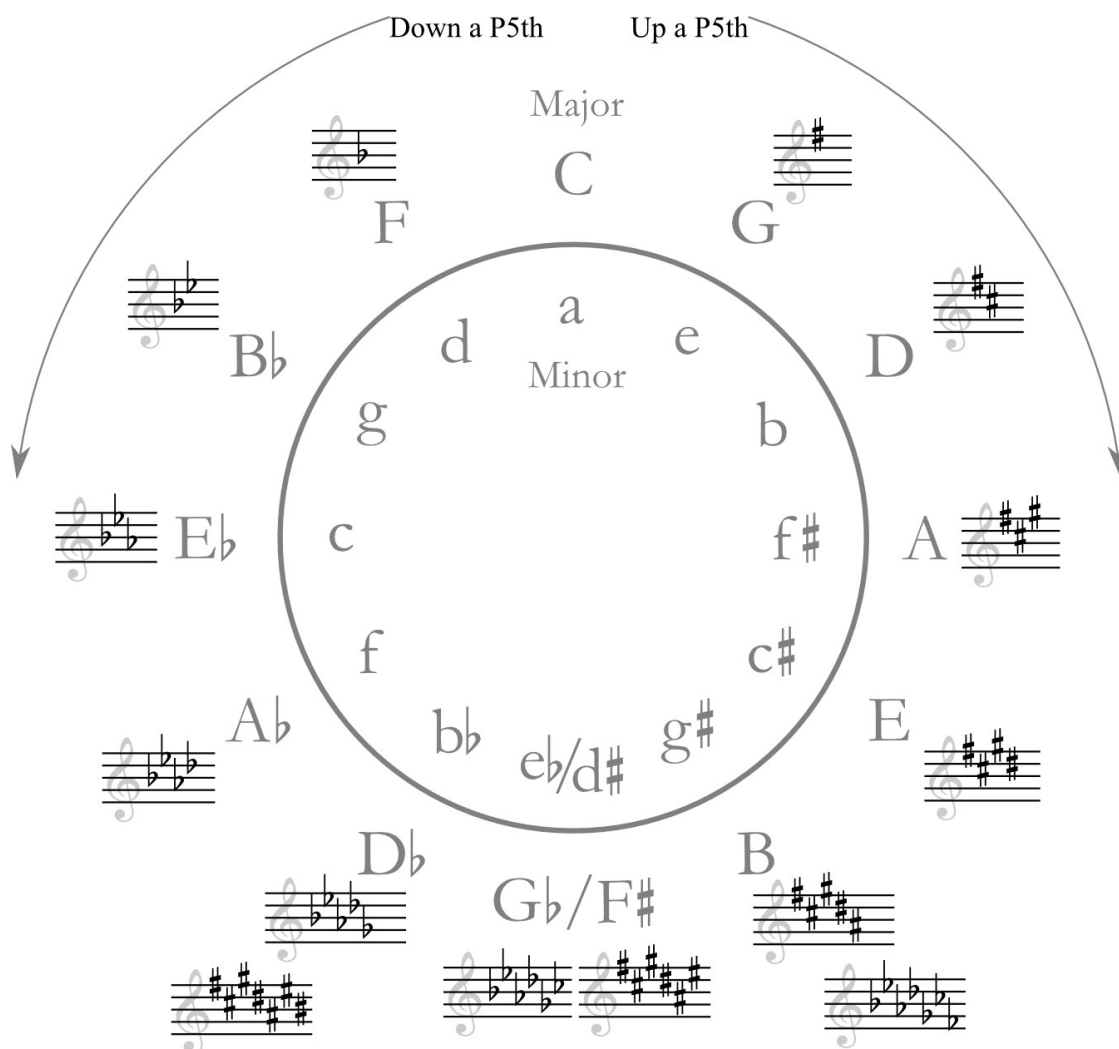


Diagram illustrating chromatic alterations of a major scale (C major) using perfect fifth intervals:

- Top Row:** C major scale (C-D-E-F-G-A-B-C). Arrows indicate:
 - Up a P5th from C to G (labeled "Up a P5th").
 - Raise the Subtonic (F to F#) (labeled "Raise the Subtonic").
- Middle Row:** C major scale with F# (C-D-E-F#-G-A-B-C). Arrows indicate:
 - Up a P5th from C to G (labeled "Up a P5th").
 - Raise the Subtonic (F# to F##) (labeled "Raise the Subtonic").
- Bottom Row:** C major scale with Bb (C-D-E-F-G-A-Bb-C). Arrows indicate:
 - Down a P5th from C to F (labeled "Down a P5th").
 - Lower the Subdominant (F to Eb) (labeled "Lower the Subdominant").



Sharps = 1

Flats = - 1

A musical staff in treble clef showing key signatures for C major and its relatives. The notes are grouped by key signature: C major (0 sharps), D major (2 sharps), E major (4 sharps), F major (1 flat), G major (2 sharps), A major (3 sharps), and B major (5 sharps). The notes are placed on the staff lines to represent the key signature for each letter.

Number	Letter
0	C
2	D
4	E
-1	F
1	G
3	A
5	B

To lower a key signature by one half step, subtract it's number by 7.
To raise a key signature by one half step, increase it's number by 7.

A musical staff in treble clef showing key signatures for C minor and its relatives. The notes are grouped by key signature: C minor (-7 sharps), C major (0 sharps), and C major (7 sharps). The notes are placed on the staff lines to represent the key signature for each letter.

Number	Letter
-7	C \flat
0	C
7	C \sharp

To find the parallel minor of a key signature, subtract it's number by 3.

A musical staff in treble clef showing key signatures for C major and its parallel minor. The notes are grouped by key signature: C major (0 sharps) and C minor (-3 sharps). The notes are placed on the staff lines to represent the key signature for each letter.

Number	Letter
0	C
-3	c