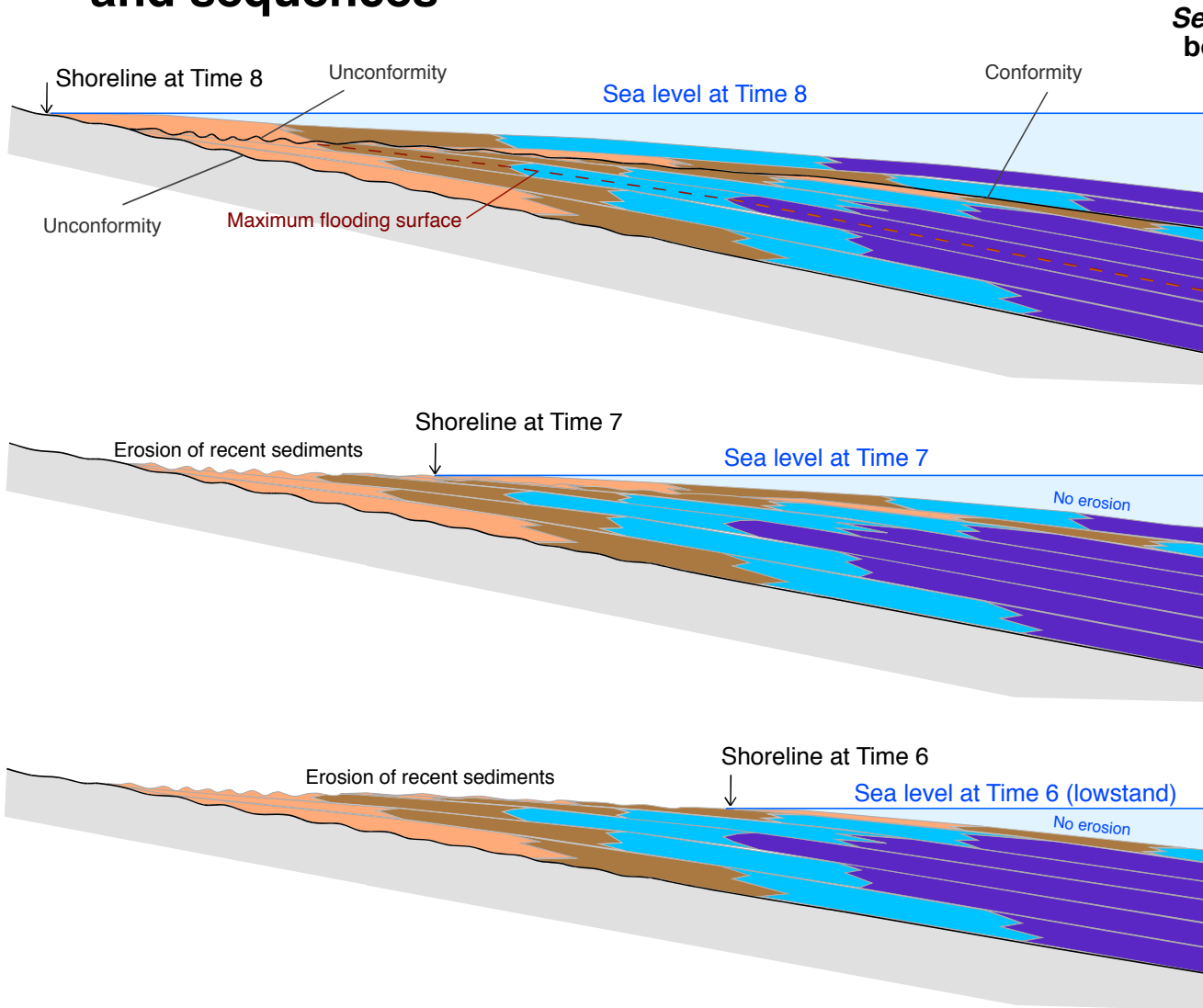


Movement of sedimentary facies with change of sea level, and sequences



Sequence: a body of sediment bounded below and above by unconformities (or their correlative conformities)

The significance of a sequence is that it represents a period of geologic time, and specifically a period of time defined by a cycle of sea-level change. This concept has been used to define a geologic time scale of six Phanerozoic sequences. In addition, many higher-order (shorter-term) sequences have been recognized within those six first-order sequences.