chron-	Greek root meaning time
temp-	Latin root meaning time
anachronism	n. something from a different period of time wrongly placed in fiction
chronic	adj. having an illness or medical condition that lasts a long time
chronicles	n. historical account of events from a particular time
chronometer	n. a piece of equipment that measures time accurately; a clock

contemporary	n. somebody living during the same period of time as another
extemporaneous	adj. performed without preparing ahead of time
synchronize	v. to make something work at the same time or the same rate as something else
tempest	n. a severe storm lasting a short period of time
tempo	n. the timing or speed of a musical composition
temporary	adj. lasting or designed to last for a limited time