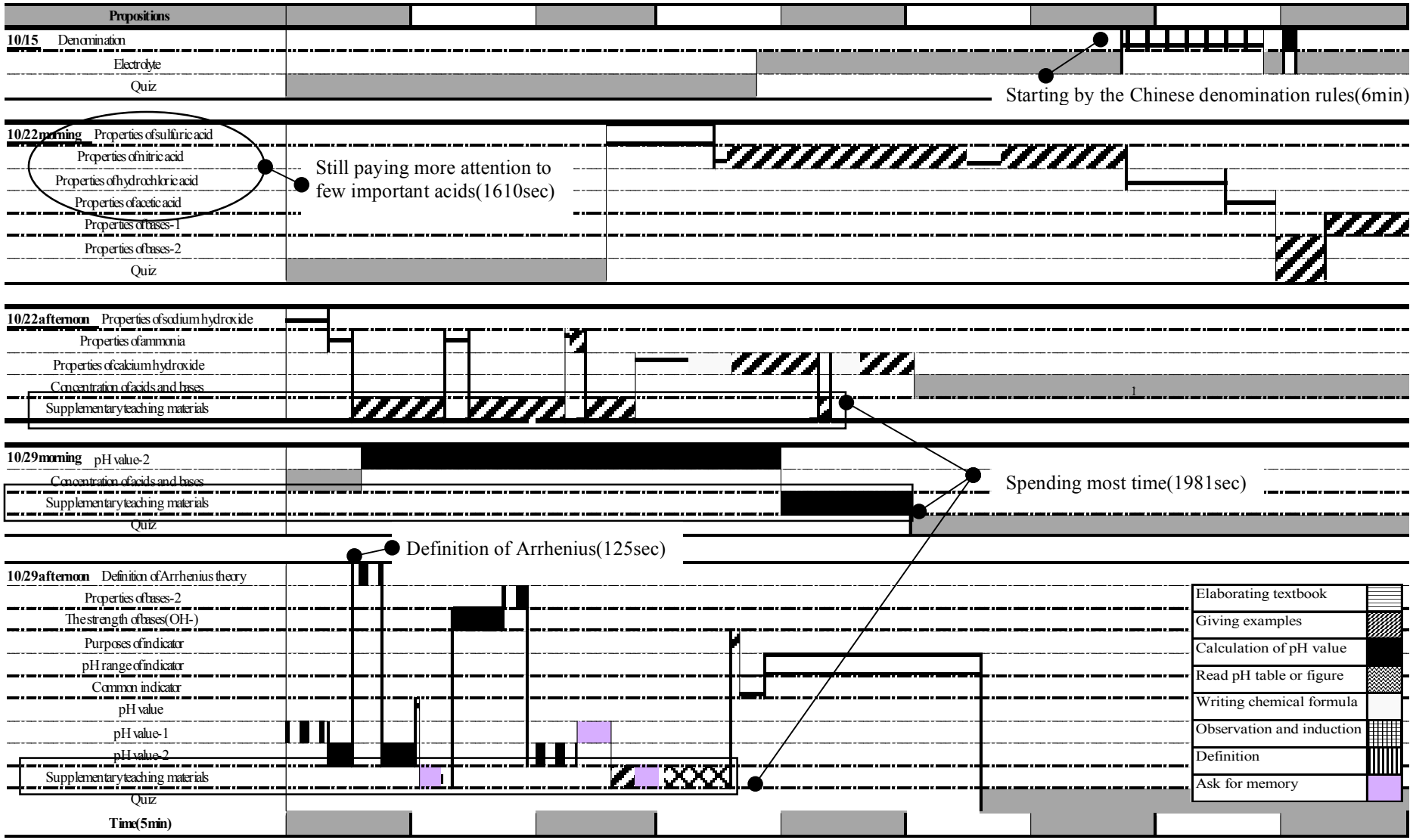Appendix: Total time sequences of teaching propositions and representations