

Appendix B. Reasons Reported for Not Using Web-based Material Types Across All Three Chapters

Number of respondents in parentheses.

Web-based Material Type	Reasons for Not Using Web-based activity
Webquests (n=3)	Time constraint/Lack of instructional time (18) Technical problems/Slow Internet connection (8) Concept covered in another topic (4) Not related or relevant to school curriculum (3) Used as extra credit or optional assignment (3) Activity is too long (3) Difficulty obtaining access to computer lab (2) Students were instructed to view at home (1) Used as a homework assignment (1) Used a different caloric activity (1) Sites were difficult to move from one to another (1) Not specific enough to content (1) LCD not available -substituted another activity (1) Didn't think students would be interested (1)
Laboratories (n=4)	Time constraint/Lack of instructional time (54) Difficulty with lab materials (9) Did not have materials (9) Did not receive lab material in time (8) Experienced difficulty getting lab to work (6) Lab too complicated or not appropriate for students (5) Use with a different topic (5) Used different lab (4) Safety concerns (3) Used a different CO ₂ production lab (2) Lab conducted earlier in school year (2) Website not used to assist in lab activity (1) Concept covered in previous grade (1) Other activities used (1) Modified as a demo, using a beaker instead of syringes (1) Modified lab due to time (1) Modified lab due to pond organism availability (1) Didn't think students would be interested (1)
Explore! (n=2)	Time constraint/Lack of instructional time (36) Concept covered in another topic (9) Used as extra credit assignment (4) Topic not covered in biology curriculum (3) Activity partially completed/lack of instructional time (2) Used as an extra credit assignment (2) Didn't seem worth it (1) Appeared long and boring (1)

Closer Looks (n=3)	Too advanced or detailed for my students (19) Time constraint/Lack of instructional time (18) Discussed topic in class (2) Conducted a lecture on topic instead (2) Technical problems (2) Students tired of computers (2) Used as extra credit assignment (1) Concept covered in another topic (1) Conducted a lab using yeast instead (1) Students were encouraged to look at this section (1) Felt material was already covered (1)
Quizzes (n=3)	A written quiz was used instead (15) Time constraint/Lack of instructional time (13) Assigned as a homework review (3) Used the text assessment as a review instead (3) Lack of computers for individual use (1) Questions seemed confusing (1) Assigned as optional work (1) Did not cover whole unit. I don't use many quizzes (1) Students tired of computer (1) Computers were slow (1) Too easy (1) Students regulated on pace (1)
Career (n=1)	Time constraint/Lack of instructional time (12) Lack of computer access (1) Students could look at during own time (1) Didn't see the need to include this (1) Didn't think students would be interested (1) Assigned as extra credit (1) Did not align to state curriculum (1)
Interactive Concepts (n=14)	Too complex or too much detail for my students (10) Concept covered in another topic (4) Time constraint/Lack of instructional time (3) Quicktime movie would not work (1) Students very tired of computers (1) Don't like pinball (1) Used my lecture notes instead (1) Used a different activity instead (1) Difficulty obtaining access to computers (1) Topic covered in earth science curriculum, not biology (1)