Online adaptive tutorials that support learning in data interpretation and scientific reasoning.

Dr Trevor Lewis
Task Description and Structure

Revision Task
Histology
Morphology
Iodide Uptake
Questions
Didactic Summary

3 hours
Task Description and Structure

1. Pre-Lab adaptive elearning: Online revision of key concepts

Median time: 18 minutes

3 hours

- Histology
- Morphology
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- Questions
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1. Pre-Lab adaptive elearning:
   Online revision of key concepts
   Median time: 18 minutes

2. 3 hours

3. Post-Lab adaptive assessment:
   Online formative assessment; correction of misconceptions.
   Median time: 14 minutes
   Completion: 84%
   (217/259 students)
Task Description and Structure

1. Pre-Lab adaptive elearning:
   Online revision of key concepts
   Median time: 18 minutes

2. In the Lab:
   What is the effect of thiouracil and thyroxine on the thyroid gland?
   - A. Adaptive histology module
   - B. Cell morphology measurements
   - C. Radioiodine uptake analysis
   - D. Literature Search

   3 hours

3. Post-Lab adaptive assessment:
   Online formative assessment; correction of misconceptions.
   Median time: 14 minutes
   Completion: 84%
   (217/259 students)
"Extremely interactive, which is probably the absolute best way to learn in my opinion. Instant feedback, which helps so much in properly correcting mistakes."

"It was clear and well explained. It was also good to be able to link experimental evidence to the conclusions we drew."

Items 10 and 11 require identification of actions, Items 12 and 13 require processing of information (calculations)