

A resource for preparing on-line quizzes for visuals such as graphs, photographs and diagrams. *

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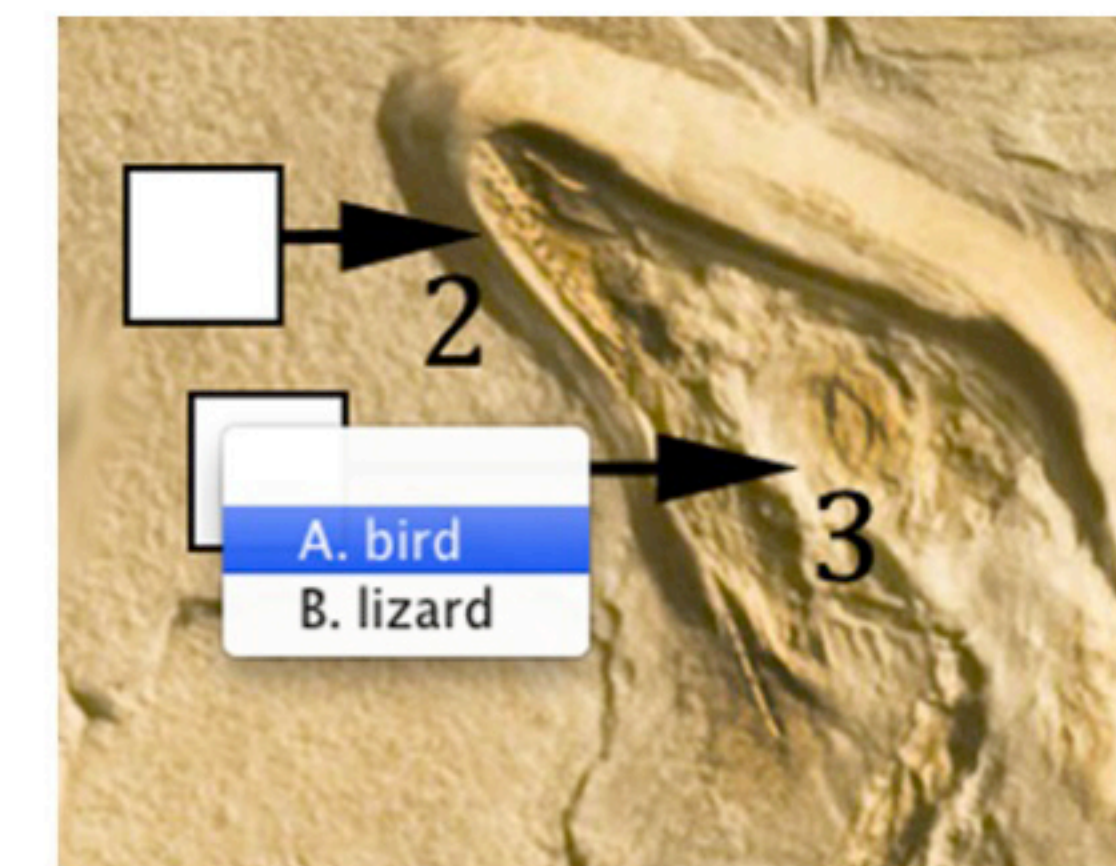
We have designed a java applet for course websites that can be easily modified by instructors to produce self-help or graded web quizzes on any visual desired.

We had an on-line exercise on respiration in which students chose from pop-up menus on a diagram of the cell the products of various reactions, and in the process associated them with their proper location, especially with regard to location within the mitochondrion. Students were only provided feedback as to the number correct after each attempt. Students deemed this exercise most challenging and yet one of "best" learning experiences in the course. Ten image questions and 12 answers for each question made guessing next to impossible and students were only allowed to submit their fully correct attempts.

In the new applet based on this exercise, instructors can provide more feedback if they wish and place pop-up menus of questions and answers anywhere on the visual they provide. They can also determine whether students report unique confirmation numbers granted on submission (default) or students' grades are sent to some other website utility.

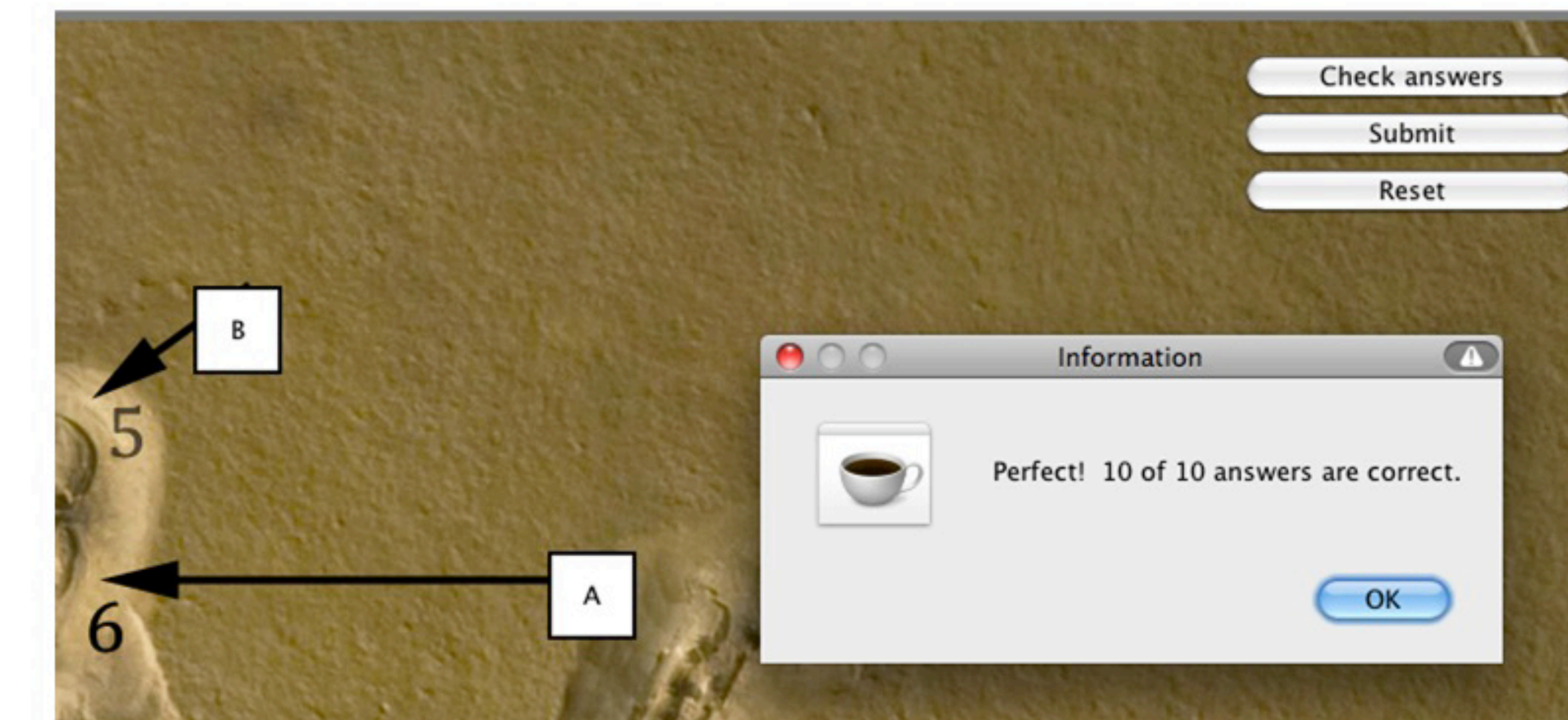
Features

Instructors can use images of any size and place as many boxes containing answers as needed on the image.

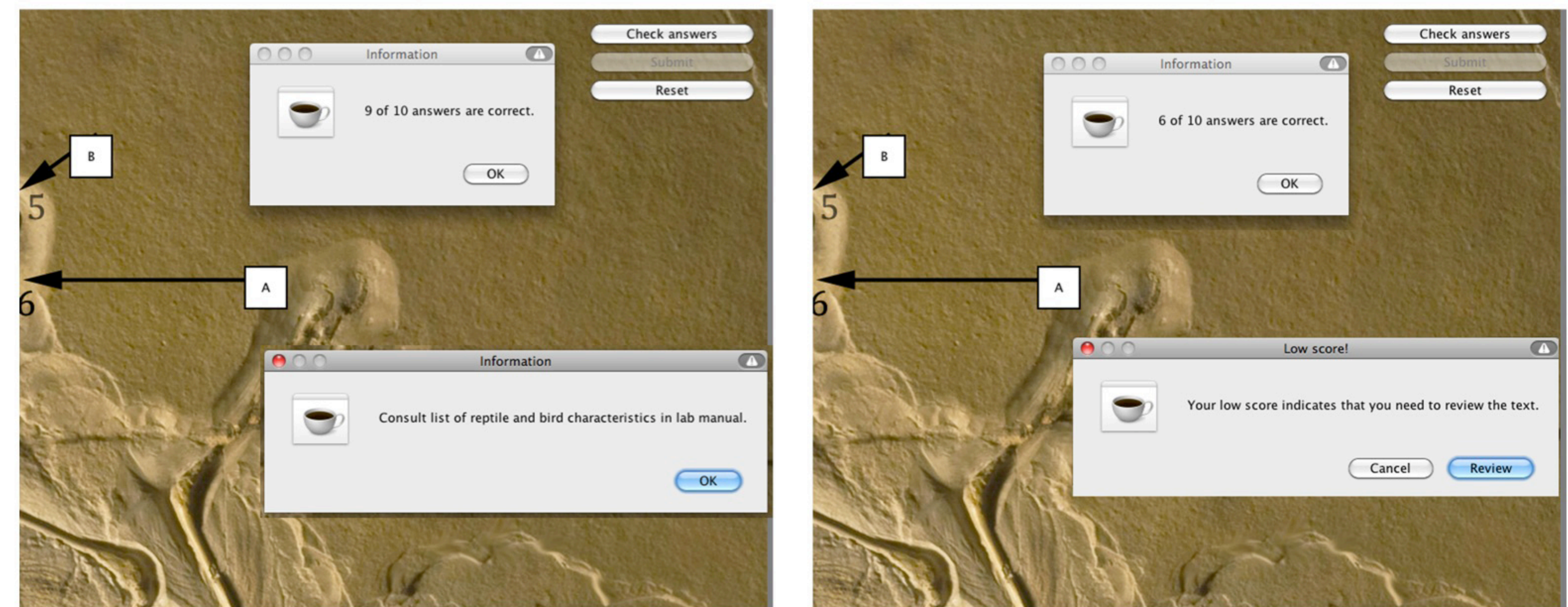


Boxes may be placed anywhere on the image and contain as many answers as desired. Instructors may choose to have the sequence of answers vary among attempts.

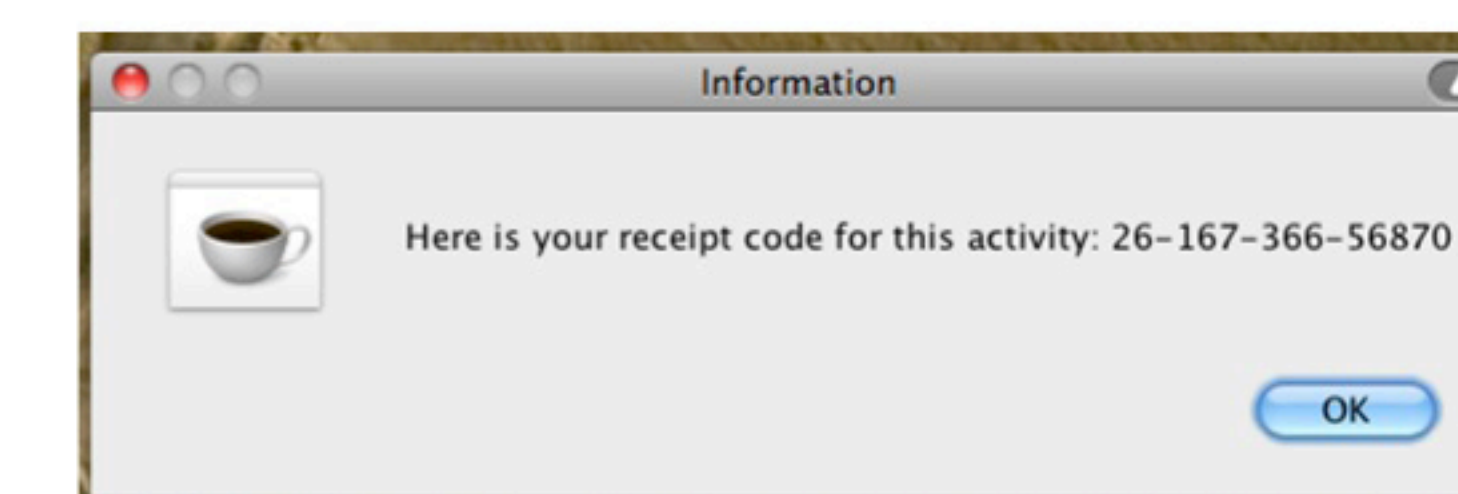
Students are told the number of answers that are correct and instructors can determine the number of attempts available to students.



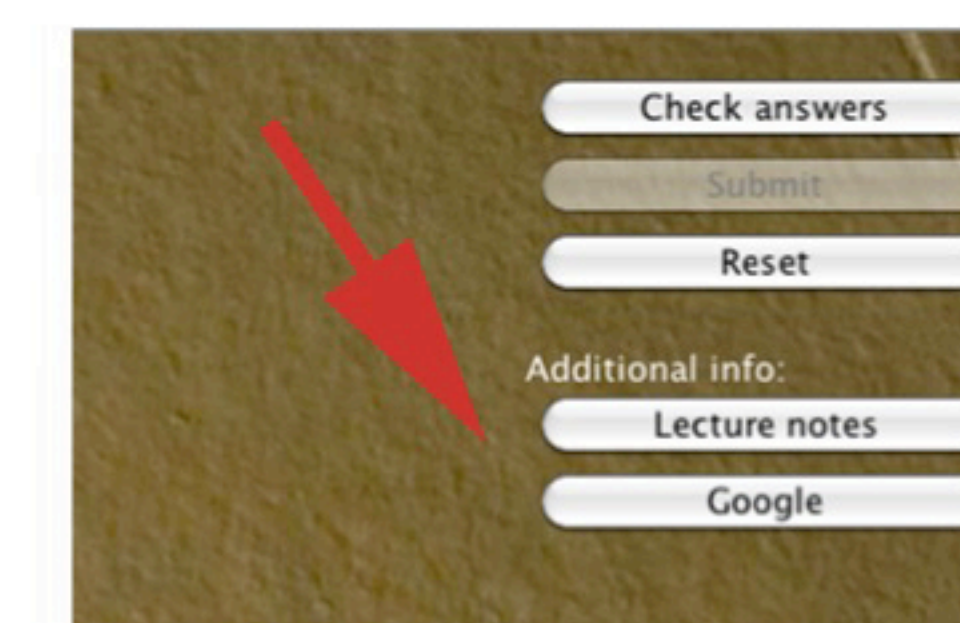
Instructors may choose to provide feedback to students once answers are checked and submitted.



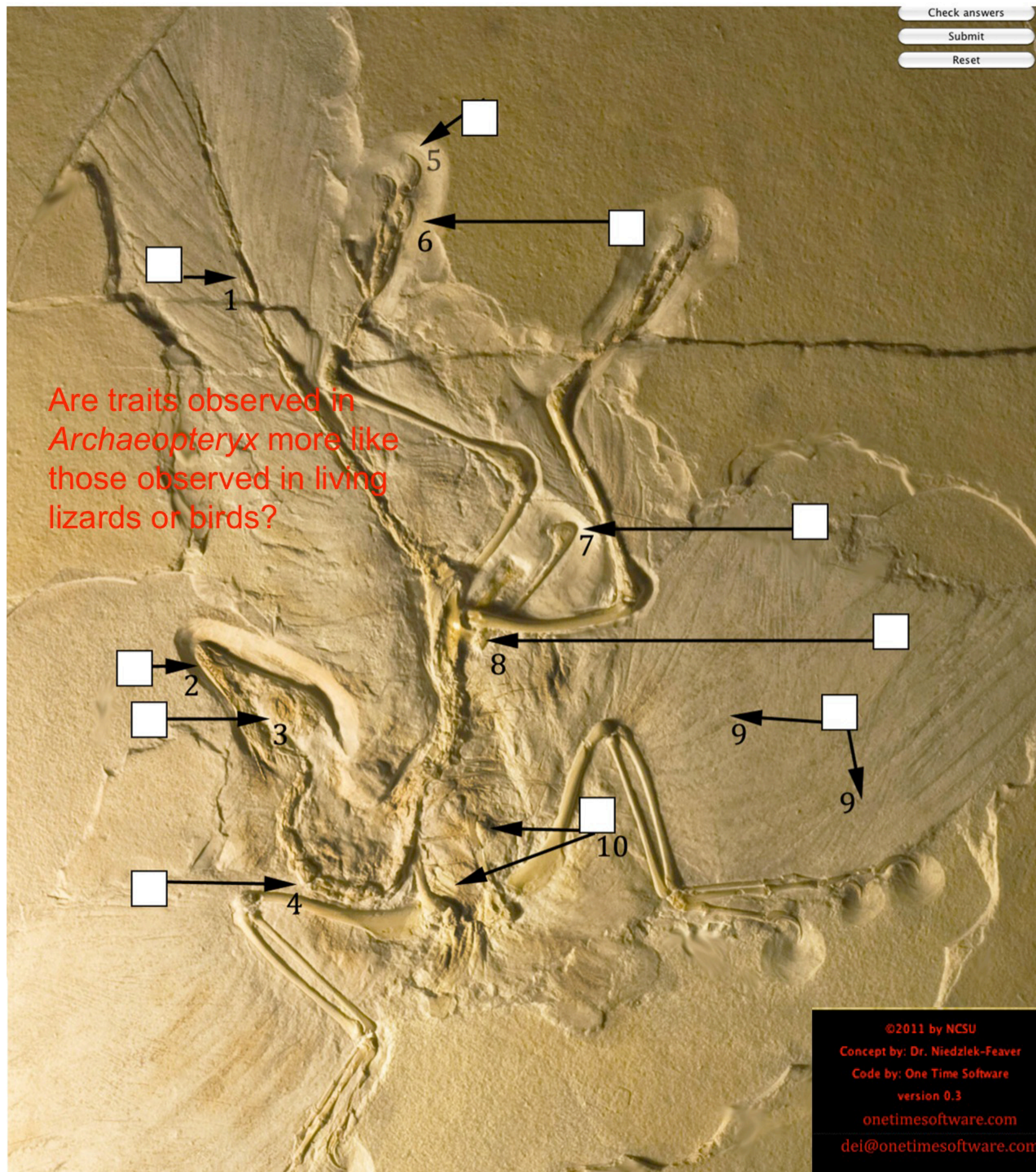
A unique confirmation number is issued to each student.



Links may be provided to additional information or activities.



*A BEN scholar resource



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Concept by: Dr. Niedzlek-Feaver
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