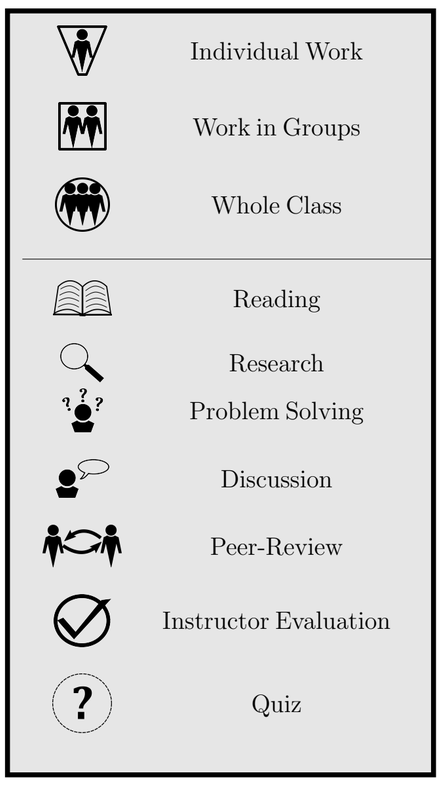
From ”yum” to ”yuk”: a case in point...mutation

By Edward Awad



Out of Class

In Class (Instructor)

In Class (Students)

Begin Here.

Students watch two videos; one on different types of mutations and another on chromosomal mutations.

Students read assigned readings and look over key concepts.

Students complete a Moodle quiz to test their knowledge on gene mutations.

Instructor reviews the material and answers any questions the students may have about the quiz, assigned readings and videos (15 min).

Instructor splits the class into groups of 3-4 and introduces the case.

Instructor gives the students a point mutation activity to complete.

In their groups: Students will complete the point mutation activity on a sheet of paper.

Students will grade each other’s point mutation activity (graded on 10).

Instructor goes over the answers to the activity with the class.

Instructor will grade the activity giving an extra 5 marks based on how the students graded each other’s activity.

Instructor goes through three multiple choice clicker questions.

Students answer the series of clicker questions (approx. 3 minutes per question).

Optional: If less than 70% of the students answer the clicker questions correctly they can discuss and re-answer them as a group.

Students will complete a practice activity with key concepts and learning outcomes.