

Site Manual

DNA Tutorials (*index.html*)

- This is the home page of the website.
- Here, you can access all three tutorials as well as the teaching resources.

Tutorials

DNA Replication Tutorial (*dnareplication.html*)

- This page explains the process of DNA replication with the aid of diagrams and an informative YouTube video.
- Here, you can access a quiz on this particular topic that will score you based on your performance or return to the homepage.
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Transcription Tutorial (*transcription.html*)

- This page explains the process of transcription with the aid of diagrams and an informative YouTube video.
- Here, you can access a quiz on this particular topic that will score you based on your performance or return to the homepage.

Translation Tutorial (*translation.html*)

- This page explains the process of translation with the aid of diagrams and an informative YouTube video.
- Here, you can access a quiz on this particular topic that will score you based on your performance or return to the homepage.

Quizzes (*dna_replication_quiz.html*)(*transcription_quiz.html*)(*translation_quiz.html*)

- With each tutorial, a link to a quiz on the subject is provided.
- These quizzes are designed for personal assessment.
- These quizzes are powered by JavaScript.
- When a user selects a box, it will provide a value 0 or 1. Upon submitting the quiz, your browser will then add up the results and redirect you to a page that will display your score based on the number of correct answers you have selected.
- The page you are redirected to will also provide you a link to the answers that you can refer to.

Educator Resources

Lesson Plans (*lessonplans.html*)

- On this page there is three download links, each to a PDF lesson plan.
- Each lesson plan corresponds to a tutorial.
- The purpose of the lesson plans is to provide educators an idea of how this site can be incorporated into the classroom, following the Ontario high school curriculum standards.

Worksheets (*worksheets.html*)

- On this page there are six PDF download links, three link to worksheets and the other three are the corresponding answer keys.
- Each set of documents corresponds to a tutorial.
- The purpose of these worksheets is to aid the student in transcribing the information from the tutorials to their notes for future reference.

