

Prep Time, Supply List, and Total Lesson Time

Prep Time:

We recommend 30-45 minutes depending on your expertise level with the content. Each module will vary depending on your previous experience with the content and technology.

Materials:

Each student will need

- access to a computer to view the “Half-Life is a Measure of Persistence” video (unless you decide to show the video through the class projector unit).
- their worksheet “Not Just How Much—How Much, How Often” posted to their online collaborative tool or will need to receive it in a printed copy prior to leaving.
- their homework added to the online collaborative tool.

You will need

- to identify two or three student examples from responses to the first homework question addressing the news article and the journal article about mutagens from cigarette smoke.
- to prepare an empty concept map for use during a discussion on how the body eliminates exogenous molecules.
- access to a computer to view the “Half-Life is a Measure of Persistence” video (unless you decide to show the video through the class projector unit).
- decide whether you will post the “Not Just How Much—How Much, How Often” worksheet or if you will print it and distribute it to student prior to them leaving.
- to post your students’ homework to your class’s online collaborative tool.

Total Lesson Time:

Lesson Activity	Amount of Time in Class
Guided Discussion: Elimination and Metabolism Rid the Body of Toxins and Drugs	5 Minutes
Guided Discussion: Smoking and Mutagenesis: Primary Literature and Popular Press	5 Minutes
Guided Discussion: Toxins In, Toxins Out	5 Minutes
Guided Discussion: How Does the Body Get Rid of Toxins?	10 Minutes
Guided Discussion: Two Strategies for Metabolism	15 Minutes
Video: Half-Life is a Measure of Persistence	13 Minutes
Guided Discussion: Conclusion	2 Minutes
Total Time	55 Minutes

Lesson Activity	Amount of Time out of Class
Worksheet: Not Just How Much—How Much, How Often	10 Minutes
Reflective Questions: Not Just How Much—How Much, How Often	10 Minutes
Total Time	20 Minutes