



High School Science Virtual Learning

Forensic Science

Forensic Odontology

May 1, 2020



Forensic Science

Lesson: May 1, 2020

Objective/Learning Target:

Students will be able to define Forensic Odontology.

Bellwork: Answer in your notebook or piece of paper

Bellwork 1:

What are the different kinds of teeth?

Bellwork 2:

What is another name for the premolars?



Bellwork Questions/Answers

Bellwork 1: What are the different kinds of teeth? -Incisors, Canines, Premolars, Molars

Bellwork 2: What is another name for the premolars? - Bicuspid



What is Forensic Odontology?

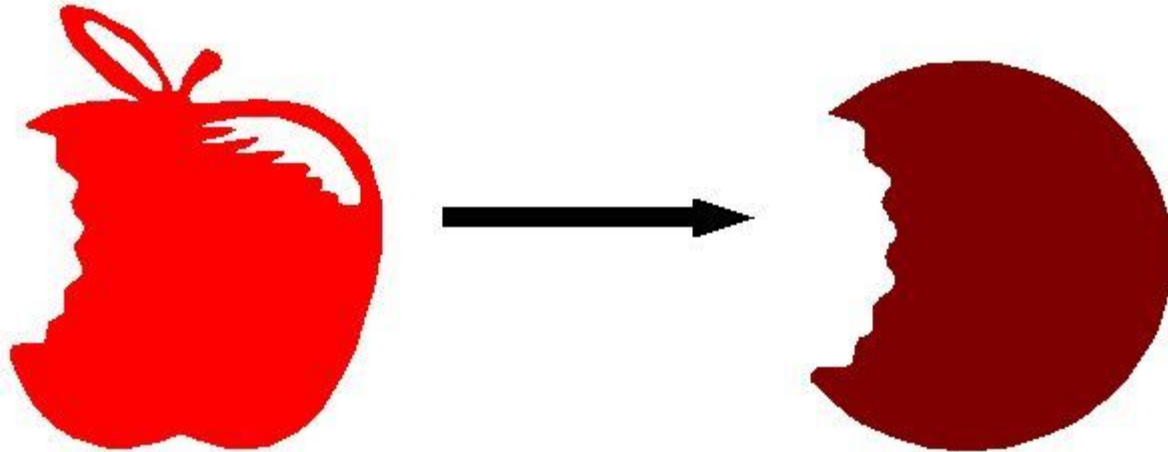
To answer that question, watch this [video](#). After the video, answer this question in your notebook or piece of paper.

1) Is forensic odontology only for identifying victims of murder?



Forensic Odontology Question/Answer

1) Is forensic odontology only for identifying victims of murder? **No, forensic odontology is used to identify victims from multiple other instances. The dental records can be used to identify people from disasters, fires, if there is no other way of identification, or even identifying a person who left behind a bite mark.**



How to become a Forensic Odontologist?

Read this article and answer these questions in your notebook or piece of paper.

[Explore Health Careers](#)

- 1) Can a forensic odontologist practice on dentistry?
- 2) How do working conditions of a forensic odontology differ from a regular dentist?

1) Can a forensic odontologist practice on dentistry? -Yes! They have a doctorate in dentistry, so they can practice on patients. A forensic odontologist will just have to get further certifications.

2) How do working conditions of a forensic odontology differ from a regular dentist? -Forensic Odontologists have to be on call at all times to aid in identification

What can Forensic Odontology be Used for?

Watch this [video](#) and answer the following questions in your notebook or piece of paper.

- 1) Who was the famous killer that had bite mark evidence in his trial?
- 2) In addition to a bite on a victim, what else is collected to identify a criminal?



6/3/2010

6/3/2010

Questions/Answers

- 1) Who was the famous killer that had bite mark evidence in his trial? -**Ted Bundy**
- 2) In addition to a bite on a victim, what else is collected to identify a criminal?
-**DNA in saliva and other cells**



If Forensic Odontology *Always* Reliable?

Read this [article](#) to find out more. Answer the questions below.

- 1) Are there any universally accepted protocols for Forensic Odontology?
- 2) Can a person's dental profile change? If possible, in what ways?
- 3) Are bite marks on the skin going to stay the same throughout time?
- 4) What type of skin has been used to study how effective forensic odontology? What limitations has that shown?

Limitations Questions/Answers

- 1) Are there any universally accepted protocols for Forensic Odontology? - **No, opinions are completely up to the individual odontologist**
- 2) Can a person's dental profile change? If possible, in what ways? **Yes, it can change. It changes if someone loses teeth, tooth rot, or even dental procedures (braces).**
- 3) Are bite marks on the skin going to stay the same throughout time? **No, skin will heal and change over time. Decaying flesh will distort the impression.**
- 4) What type of skin has been used to study how effective forensic odontology? What limitations has that shown? **Pig skin has been studied but it doesn't have the same elasticity as humans. It hasn't been completely reliable information.**

Additional Practice

Click on this [form](#) to learn more about forensic odontology.

More Information!

[Forensic Bite Mark Identification](#)

[Forensic Odontology Video](#)