

Anatomy Online

Resources:

It is your responsibility to find an Internet connection. As per our administration, lack of an Internet is not an excuse for not doing your learning. Use all available resources to make sure you are able to complete the assigned lessons on time. Possibilities are parking lots outside libraries, McDonalds, friends, your cell phone (!!). Be creative and resourceful – and safe!

What am I supposed to do each day?

Check daily, or at least 4 times per week, on the class website at www.chemistar.com. If another online resource will be used, that resource will be linked on your daily syllabus. Also linked will be the specific activity you are to complete that day, if it is not in your textbook. The list, below, is subject to change as we progress, so be sure to check the class website before working each day. You are welcome to read and work ahead.

Check your email at least daily. I will check several times each day.

March 16, 2020

- Pick up your learning opportunities, Chromebook, Anatomy binder and Anatomy textbook.
- Plan a time to complete the Virus videos and questions.
- Use the example to complete your yo-yo calculations.
- Begin to read *Stiff*. A preview of the questions is below, as well as on the shared doc on the website. Dates are subject to change as we learn more about our school year.

March 18, 2020

- Finish the introduction and Chapter 1 in *Stiff*

March 19, 2020

- Read Chapter 2 in *Stiff*

March 20, 2020

- Respond to these questions on the shared *Stiff* doc. DUE MARCH 23.
 1. In her introduction to *Stiff*, Mary Roach remarks that "death makes us helplessly polite." Why is it that we're compelled to use polite language when discussing death? Why are we often afraid to discuss it in the way Roach has done here?
 2. Roach discovered that students in anatomy classes tend not to enjoy touching and smelling cadavers, even though they relish the opportunity to study them. Does this surprise you? Why might someone want to work with cadavers?
 3. How has surgery changed since the 17th century?
 4. What options did early surgeons have to learn anatomy when government does not sanction human dissection?

March 23, 2020

- Read Chapter 3-4 – *Stiff*

March 25, 2020

- Read Chapter 5 – *Stiff*

March 26, 2020

- Respond to these questions from Chapters 3-5 on the shared STIFF doc
 1. Dennis Shanahan, who investigated the grisly human wreckage of downed TWA Flight 800, told Roach that the hardest thing about examining Flight 800 was that most of the bodies were relatively whole. He said, "Intactness bothers me much more than the lack of it." Do you agree or disagree?
 2. Many research studies that make use of cadavers raise questions about maintaining the dignity of the deceased. For example, a ballistics study might involve decapitating a cadaver or shooting one in the face--all for the sake of gathering data. Do you think that the humanitarian benefits of experimenting on cadavers can outweigh any potential breach of respect for the dead? Why or why not?
 3. Why do bodies bloat? (and do dead people really fart?)
 4. What is the scientific purpose for understanding how bodies decay?
 5. Why are cadavers used to test vehicle crashes?

March 27, 2020

Read Chapter 6 – *Stiff*

March 30, 2020

Read Chapter 7 – *Stiff*

April 1, 2020

- Respond to these questions from Chapters 6-7 on the shared STIFF doc
 1. Why do people (and some animals) fall to the ground after being shot?
 2. What scientific value does bullet research on cadavers have?
 3. What experiments were performed to determine the physiological effects of crucifixion?

April 2, 2020

• Read Chapter 8 – *Stiff*

April 3, 2020

• Read Chapter 9 – *Stiff*

We will know more about our timetable by now. We will finish the book, but likely at a different pace. Tentatively:

April 6, 2020

- Respond to these questions from Chapters 8-9 on the shared STIFF doc
 1. The heart, cut from the chest, can keep beating on its own for as long as a minute or two. This, Roach says, reflects centuries of confusion over how exactly to define death. Have modern scientific experiments on cadavers helped us to pinpoint the precise moment when life ceases to exist and all that's left is a corpse? Explain.
 2. Why is the heart given so much credit for being the seat of life (or the soul)?
 3. Why did the author call the cadaver a dead hero?
 4. What experiments were performed to determine if a severed head still retained consciousness? What scientific value do these experiments have?

April 7, 2020

• Read Chapter 10

April 8, 2020

- Respond to these questions from Chapter 10 on the shared STIFF doc
 1. Roach says, "On a rational level, most people are comfortable with the concept of brain death and organ donation. But on an emotional level, they may have a harder time accepting it." Some organ recipients even worry that they will take on certain characteristics of their donors. What might this say about how we link the physical human body to the human soul?
 2. Before the scientific method was used, what information did doctors use to prescribe remedies for various illnesses? Describe one of these dubious remedies and explain why it might have actually worked.

April 14, 2020

- Read Chapter 11– *Stiff*

April 15, 2020

- Read Chapter 12 – *Stiff*

April 16, 2020

- Respond to these questions from Chapter 11-12 on the shared STIFF doc
 1. In Chapter 11, Roach journeys to an island in Sweden, where a 47 year old biologist-entrepreneur has made a business of producing compost from cadavers. This business has major corporate backing and an international patent, and mortuary professionals in many countries, including the US, are interested in representing the new technology. Do you think that the "human compost movement" could gain traction in Ohio??
 2. Where does the water inside a human (or cadaver) come from? Where does it go?
 3. How are human skeletons prepared (from real bodies)?

Final Reflection:

Respond to this prompt:

Would you donate your body to science? I am talking about MORE than just organ donation, not that organ donation isn't a fantastic thing. Would you donate the remains of your body to science? Why or why not? There is no page requirement per se, but be sure to reference your decision based on material you read in the book and to be complete in your reasonings.