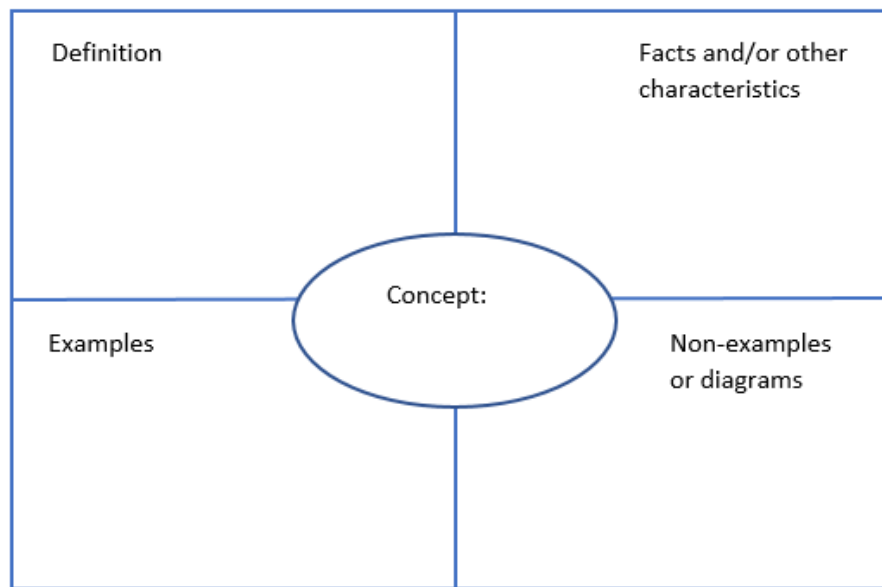


Functional Closure Plan for Anatomy & Physiology 12

Students have the option to choose one or more activities from the list below:

Option 1: Summarize learning from chapters already covered - Frayer model

Students can summarize concepts from any chapter covered this semester using a Frayer model diagram. This could be used for broad concepts or specific terms.



Option 2: Chapter 20 Endocrine System:

- Watch this Crash Course Part 1 video on the endocrine system
<https://www.youtube.com/watch?v=eWHH9je2zG4>
- Watch this Crash Course Part 2 video on the endocrine system
https://www.youtube.com/watch?v=SCV_m91mN-Q
- Textbook: read chapter and do page 385 "Study Questions" #1-13

Option 3: Chapter 21 Reproductive System:

- Watch this Crash Course Part 1 video on the reproductive system
<https://www.youtube.com/watch?v=RFDatCchpus>
- Watch this Crash Course Part 2 video on the reproductive system
https://www.youtube.com/watch?v=-XQcnO4iX_U
- Textbook - read chapter and do page 413 "Study Questions" #1-9

Option 4: Nervous System Poster

Create a poster on one of the following topics within the nervous system. You can use chapter 17 to complete a poster as well as information online. Please provide addresses of any websites used.

- Central Nervous System (CNS) & Peripheral Nervous System (PNS)
 - Include types of nerves, types of fibres, subsystems within the PNS (ex: somatic, autonomic, sympathetic, parasympathetic)
 - Differentiate between gray matter and white matter
 - Clearly explain what each part of the CNS and PNS controls
 - Include one or more labelled diagrams (include source for any digital diagrams used)
- Reflex arcs
 - Describe the pathway an impulse would travel through a reflex arc
 - Clearly explain which part of the arc is in the PNS and which part is in the CNS
 - Include one or more labelled diagrams (include source for digital diagrams used)
- Major divisions of the Brain
 - Explain the major divisions of the human brain and what each portion controls
 - Discuss the left and right sides and how they interact
 - Include one or more labelled diagrams (include source for digital diagrams used)
- Neurons and Synapses
 - Explain the parts of a neuron and clearly describe how an impulse travels down a neuron
 - Define a synapse and describe how an impulse can travel across a synapse
 - Include types of neurotransmitters and how they operate
 - Describe how drug or alcohol use can influence neurotransmitters
- Use this rubric to help guide you. The poster can be made in a Word document or by hand.

CATEGORY	4	3	2	1
Required Elements	The poster includes all required elements as well as additional information.	All required elements are included on the poster.	All but 1 of the required elements are included on the poster.	Several required elements were missing.
Labels	All items of importance on the poster are clearly labeled with labels that can be read from at least 3 feet away.	Almost all items of importance on the poster are clearly labeled with labels that can be read from at least 3 feet away.	Many items of importance on the poster are clearly labeled with labels that can be read from at least 3 feet away.	Labels are too small to view OR no important items were labeled.
Graphics - Relevance	All graphics are related to the topic and make it easier to understand. All borrowed graphics have a source citation.	All graphics are related to the topic and most make it easier to understand. Some borrowed graphics have a source citation.	All graphics relate to the topic. One or two borrowed graphics have a source citation.	Graphics do not relate to the topic OR several borrowed graphics do not have a source citation.
Attractiveness	The poster is exceptionally attractive in terms of design, layout, and neatness.	The poster is attractive in terms of design, layout, and neatness.	The poster is acceptably attractive though it may be a bit messy.	The poster is distractingly messy or very poorly designed. It is not attractive.
Grammar	There are no grammatical/mechanical mistakes on the poster.	There are 1-2 grammatical/mechanical mistakes on the poster.	There are 3-4 grammatical/mechanical mistakes on the poster.	There are more than 4 grammatical/mechanical mistakes on the poster