

STUDENT GUIDE

PERFORMANCE TASK

LESSON 32



Part 2: Communicating Scientific Information in a Presentation

Create a final presentation with your group that communicates the answer to our Driving Question, ***How can milk help athletes recover from physical exercise?*** to an audience of your choosing. Here, you should revise the content from all of your presentations based on the feedback you have been provided.

Presentation Format Requirements:

- Videos cannot exceed 5 minutes.
- Written reports cannot exceed four pages.
- Presentation is designed for the same chosen audience and with the same format you selected in Modules 1-4.
- Prepare a script of your presentation before adding multiple media formats.

Be sure to use the Look Fors from each of the modules (provided below) to guide your presentation. Mark each Look For after you include it.

Included	Module 1 Look Fors
x	<p>Include multiple methods of communication, including models and evidence from the module (video plus graphics/diagrams, written report plus graphics/diagrams, or video with narration of a slideshow).</p> <ul style="list-style-type: none"> • You can use the class consensus model, data sets, and/or models from any other resources from the module.
x	Clearly communicate scientific information in a way that is appropriate for your chosen audience.
x	Describe how the hierarchical organization and function of body systems, organs, and cells contribute to the digestion of milk.
x	Describe the scale relationships between the models you are showing using orders of magnitude.
x	Describe how the function of multiple kinds of specialized cells contributes to the digestion of milk.



Included	Module 2 Look Fors
x	<p>Include multiple methods of communication, including models and evidence from the module (video plus graphics/diagrams, written report plus graphics/diagrams, or video with narration of a slideshow).</p> <ul style="list-style-type: none"> You can use the class consensus model, data sets, and/or models from any other resources from the module.
x	Clearly communicate scientific information in a way that is appropriate for your chosen audience.
x	Describe how exercise can destabilize water balance in the body and how negative feedback mechanisms in the body and the consumption of milk can help the body return water balance to its stable state.
x	Describe how the functions of multiple kinds of specialized cells contribute to maintaining and adjusting water levels in the body in response to changes in the body's conditions.

Included	Module 3 Look Fors
x	<p>Include multiple methods of communication, including models and evidence from the module (video plus graphics/diagrams, written report plus graphics/diagrams, or video with narration of a slideshow).</p> <ul style="list-style-type: none"> You can use the class consensus model, data sets, and/or models from any other resources from the module.
x	Clearly communicate scientific information in a way that is appropriate for your chosen audience.
x	Describe how the energy for exercise comes from aerobic and anaerobic respiration and how this energy is expended during exercise and recovered with milk.
x	Describe how the function of multiple kinds of specialized cells contributes to the processes of cellular respiration and anaerobic respiration.
x	Describe how much of the study of exercise and recovery involves tracking how various molecular factors in the body change or remain stable.

Included	Module 4 Look Fors
x	<p>Include multiple methods of communication, including models and evidence from the module (video plus graphics/diagrams, written report plus graphics/diagrams, or video with narration of a slideshow).</p> <ul style="list-style-type: none"> You can use the class consensus model, data sets, and/or models from any other resources from the module.
x	Clearly communicate scientific information in a way that is appropriate for your chosen audience.
x	Describe how exercise can destabilize muscle structure and function in the body and how negative feedback mechanisms in the body and the consumption of milk can help the body return muscle structure and function to its stable state.
x	Describe how the functions of multiple kinds of specialized cells contribute to muscle structure and function and to exercise recovery.
x	Describe how much of the study of the human body involves tracking how various molecular factors in the body change or remain stable.