



Science Virtual Learning

LEP Science

Human Body Systems: Structure and Function

Immune and Integumentary

May 15, 2020



LEP Science
Lesson: May 15, 2020

Objective/Learning Target:

I can explain the basic structure and function of the Immune and Integumentary Systems



Let's get started

Copy the attached chart on to a sheet of paper (or make a copy of it in your google drive). You will want to keep this for the lessons this week as we will be adding to it daily.

[Human Body Systems chart](#)



The Immune System.

Let's begin this part of the lesson by watching a video and taking some notes.

[video](#)



Once you have watched the video, try your luck at this [Immune System game](#)

Use this [link](#) for more review over the immune system.



The Integumentary System

A fancy way of saying the “skin” system.

Let’s begin with this [Ted Ed video](#) Take notes and answer the questions as you go.

Answers to Ted Ed Video

1. Answers may vary, but should revolve around “skin”

2. B 3. D 4. B 5. A 6. A 7. C 8. A

9. The integumentary system has a sensory and regulatory role. To help with regulating body temperature, the nerves in the skin sense temperature. If it warm, it will send a signal to the brain and the brain will send a signal back causing blood vessels near the surface to dilate and release heat. The brain will also signal the body to start releasing water from sweat glands. Both of these reactions help the body to cool. In contrast, if the nerves sense cold, the brain will cause vessels to constrict (reducing blood flow) and stimulate arrector pili muscles to stand hair up causing goosebumps.



Go [here](#) for more learning or review of the Integumentary System.



Your body systems chart should now be complete. Compare how you did with [this](#).



Additional Resources

Here is some more [Immune System Practice](#)
[Immune System Overview Video](#)

[Integumentary information](#)

[More Integumentary System learning and review from Khan Academy](#)