



Grade 6– Body Systems

Unit 1

SOLs:

- 6.1.A Identify and describe the major structures and functions of the urinary system (kidneys, ureters, bladder, and urethra) and strategies to promote renal health
- 6.1.D Assess the effects of communicable and noncommunicable diseases on the functions of the body

Title: The Urinary System

Objectives/ Goals: Students will be able to identify and describe structures and functions of the urinary system and articulate how communicable and noncommunicable diseases can impact the urinary system.

Materials:

- Internet Access

Procedure:

- Have students visit the KidsHealth.org site - *How the Body Works: Urinary System* to:
 1. read the article *Your Urinary System* (<http://kidshealth.org/en/kids/pee.html>) ;
 2. watch the movie *How the Urinary System Works* (<http://kidshealth.org/en/kids/usmovie.html>); and
 3. take the quiz at <http://kidshealth.org/en/kids/usquiz.html?WT.ac=k-ra>
- Remind students that diseases such as kidney stones, infection, cancer, and kidney stones impact the functioning of the urinary system and that disease risks can be reduced through: good nutrition, including drinking plenty of water, physical activity, and hygienic practices (e.g., wiping from front to back, other communicable disease prevention practices).
- Have students research and write a paragraph to complete the following sentence prompts:
“A communicable and/or non-communicable disease of the urinary system is _____ . It affects these structures of the urinary system: _____ .”

Risk for the disease may be reduced by:_____."

Assessment Ideas:

- Evaluate student results on online quiz and writing assignment.

References:

- KidsHealth.Org How the Body Works: Urinary System
<http://kidshealth.org/en/kids/usmovie.html?WT.ac=en-k-htbw-main-page-i>
- Kids Health How the Body Works YouTube Series
<https://www.youtube.com/playlist?list=PLRmb5AxU-JXgajvrrcozhkhMeSWa0XI0Z>
- LiveStrong -Does Exercise Affect the Urinary System?
<http://www.livestrong.com/article/529262-does-exercise-affect-the-urinary-system/>