Organ System Identification Prompts

Notes for teachers: As this is the first introduction to body system connections, it is ok if your students are unfamiliar with the body systems or are unsure about the connections. You do not have to use all of the prompts, and how you display these is up to you. You are also welcome to create some of your own, pick and choose from this list and change them.

1. You take a deep breath of fresh air and smell the flowers blooming outside. Which organ systems are working together to allow you to experience this?

2. You stub your toe and immediately pull your foot back in pain. Which systems are involved in this reflex action?

3. You devour a slice of pizza and feel full. Explain which organ systems work together to digest the pizza and send signals to your brain about fullness.

4. You're feeling a tickle in your throat and start to cough. Which systems are working to keep dust and irritants out of your lungs and expel them through coughing?

5. You're feeling nervous before a big presentation. Your heart starts to race, and your palms get sweaty. Which systems are responsible for these physical reactions to your emotions?

6. You're running a race and feeling exhausted. Your muscles are burning, and you're breathing heavily. Which systems are working hard to keep you going during this exercise?

7. You accidentally cut your finger while cooking. Your blood starts to clot, and you feel pain. Which systems are involved in wound healing and pain perception?

8. You're studying for a science test and can't seem to focus. Your eyes feel tired, and you have trouble remembering information. Which systems are involved in concentration, vision, and memory?

9. You're feeling under the weather with a stuffy nose and sore throat. Which system is trying to fight off the invading germs that are making you sick?

10. You're enjoying a refreshing glass of lemonade on a hot day. Explain how your body systems work together to regulate your temperature and eliminate waste products from the beverage.