

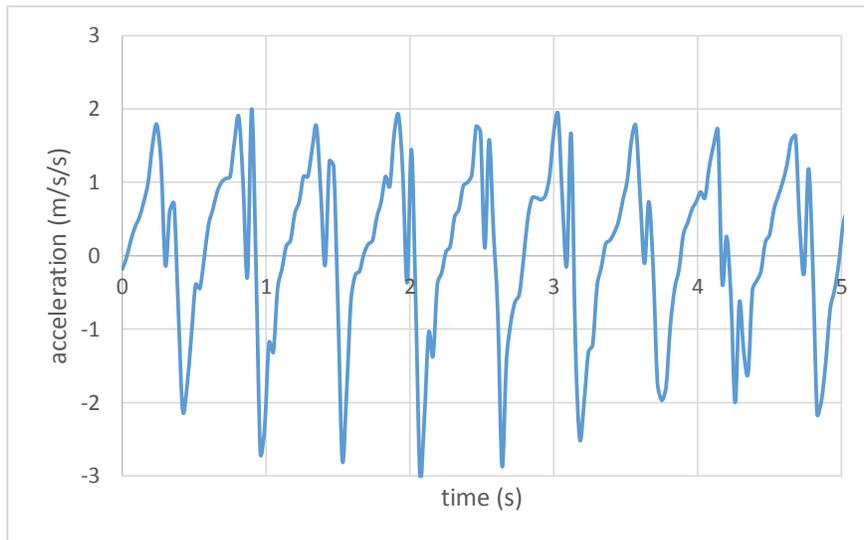
Identifying Gait Metrics Activity Assessment **Answer Key**

Answer the following questions in complete sentences.

1. You are comparing the gaits of a tall person and a short person.
What differences might you see in the gaits that could be used to identify each individual?

A taller person likely has a gait with greater stride length and greater step duration. Thus, the time interval between peaks (or other corresponding features from one step to the next) could be used to identify individuals.

2. Look at the acceleration vs. time graph below.
What does this graph tell you about the representative gait?



The graph shows a walking gait with fairly consistent step durations. The minimum acceleration values vary more than the maximum acceleration values, which may indicate more step-to-step variability in the force as the heel strikes the ground and less step-to-step variability in the force as the toe pushes off the ground.