

## Assignment: Chapter 2 questions

There are chapter questions embedded throughout each chapter. To receive credit, you must answer each of the chapter questions below. The answers to these questions serve as the starting point for your class notes and are a way for you to self-check your understanding of the material. That is, reading the chapter and answering the chapter questions is the first step in preparing for the quizzes and the class material.

Answer each of the **seven (7) questions below**, then save and submit your work.

1. Define force, speed, velocity, and momentum.
2. For each of Newton's three laws of motion, provide the definition in words, and write the equation and definition of the symbols used in each equation.
3. How are momentum, deceleration, and acceleration related to Newton's three laws of motion?

4. Define energy and distinguish between kinetic and potential energy.

5. Provide the formulas for work and power.

6. Explain the concepts of stiffness and elasticity.

7. Define pressure and discuss the different methods of measuring pressure. What methods make most practical sense for measuring pressures relative to speech production?