

General Physics I–Honors: PHYS 101H (Fall 2022)
Quick quiz 9

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Instructions

These quick quizzes are low-stakes assessment tools to help cement your understanding of our material. They will help you remember the key facts and can serve as a study guide to help you focus on material you are less familiar with. These quizzes do not contribute to your grade and are for your own use.

1. **Without looking at your notes or the textbook, and without consulting with your neighbour**, write your answer to each question in the **first column**.
2. Discuss with your neighbour and use your notes or the textbook as needed to answer each question and write your answers to each question in the **second column**. You should complete the second column, but do not add anything to your first column.

There are four questions.

Question 1

Explain the relationship between simple harmonic motion and circular motion.

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Question 2

What is Bernoulli's principle (or Bernoulli's equation), and how does it relate to why a blood platelet speeds up when it passes through an artery partially blocked by a plaque (the body's response to a build up of fatty material in arteries)?

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Question 3

Do astronauts in the International Space Station in orbit around the Earth experience gravity?

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Question 4

What is the difference between centripetal and centrifugal forces?

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