

Make sure you answer every part of the question. Write out your answers (neatly!) and bring them to class on Tuesday. Some of these questions are closely related to questions from SZE but they are not identical—be sure that you are doing the right question!

- A. Descartes sometimes makes implicit references to the ideas of Aristotle. Find those places and explain the relationship between what Descartes says and Aristotle's ideas about space and motion. Are Descartes' views really compatible with Aristotle?
- B. How does Newton's example involving the ship and the sailor (p. 119) help clarify the notion of absolute space? Of relative space?
- C. What is the Principle of Galilean Relativity? Explain how Newton's laws (p. 124) are compatible with it. What is an inertial frame? (pp. 132-133) With reference to Newton's laws, explain why a rotating frame is not an inertial frame.