Arrange the following sentences to make a coherent paragraph:

A. The concept of time travel has captured the imagination of people for generations, inspiring countless books, movies, and discussions.

B. However, according to our current understanding of physics, time travel into the past would involve numerous paradoxes and violations of fundamental principles.

C. Movies often depict time travel as a thrilling adventure, allowing characters to alter history or see the future.

D. Scientists and theorists have explored the possibility of time travel, delving into theories like wormholes, relativistic time dilation, and the nature of spacetime.

E. While time travel to the future is theoretically possible and has been observed through time dilation in experiments, traveling to the past remains a complex and debated topic.