

Video: Genius by Stephen Hawking
Can We Time Travel?

Name: _____

Period: _____

Date: _____

1. Have students consider this quote from physicist Stephen Hawking: "Time travel might be possible, but if that's the case why haven't we been overrun by tourists from the future?"
2. Why did Norman, Marisol and Paul miss the party once they found the location from the 3 numbers they were given? What was missing?
3. Hawking states that backwards time travel is unlikely to work. Why is this?
4. What was unique about the way Einstein viewed space and time?
5. The warping of space-time is what creates gravity and alters time itself. What happens to time as it is affected by gravity of different strengths?
6. What happens to time as a person travels higher and higher on earth, compared to someone at ground- or sea-level?
7. Scientists and engineers must rely on data to supply the evidence behind their claims. What evidence supported Norman and Marisol's time travel claim to the future in Can We Time Travel?