Cosmos: The Lost Worlds of Planet Earth

Name:	Period:	Date:
1) What led to an explosion of oxygen du (5:00)	ring the Carboniferou	us period 300 million years ago?
2) What led to the Permian extinction 248	3 million years ago? (10:00)
Start video at 14:00 to 18:00 for Wegener	r piece	
3) In 1570, Abraham Ortelius initially ponesees in the atlas he makes. What lines of believe that lands separated now by ocean Pangaea? (15:00)	f evidence did Alfred	Wegener have that led him to
4) Why was Wegener's big idea about co scientific community? (17:00)	ntinental drift and Pa	ngaea not accepted by the
5) Who was Marie Tharp and what did sh floor? (19:00)	ne do with Bruce Hee	zen's sonar maps of the ocean
6) How can there be life on the ocean floo	or at mid ocean ridge	es? (23:00)
7) What is one of the driving forces for pla	ate tectonics that Tys	son describes? (25:00)

8) How did the extinction of the dinosaurs give rise to the age of mammals? (28:00)
9) How did the closing of the isthmus of Panama cause changes to world climate? (31:00)
10) How does the last part of the video put in perspective the interplay of orbital motions, human activities, climate change, and mass extinction events? How are we, in essence, the determiners of our own fate? (35:00 to 43:00)