**Topic 4 Lesson 3 “ Oceanic Circulation”- Convection Currents**

***Read the background information and view the video in your online textbook under “ Topic 4 Lesson 3- Interactivity –“ Ocean Circulation”. Please also view the Video “ Patterns of Circulation in the Ocean. Use the information answer the questions below*.**

1. **What present- day conditions could be compared to conditions during the Cretaceous? (2 Points)**
2. **Based on your investigation of the Cretaceous period, and if the global temperatures keep rising, what factors can/are being affected? (2 Points)**
   1. **Less sea ice forming**
   2. **Oceans becoming more stagnant**
   3. **Less oxygen being moved around the ocean**
3. **How could decreased sea ice formation affect deep ocean currents? (2 Points)**

**­­­­**

1. **How would a decrease in the strength of deep ocean currents affect ocean life?(2 Points)**
2. **How would human life be impacted if deep ocean currents failed to circulate and Cretaceous -like conditions returned? (2 Points)**