**Ocean Gyre Circulation and Patterns of Global Primary Productivity**

**Equator**

**Northern**

**High Latitudes**

**Southern**

**High Latitudes**

 Surface Ocean Gyre Circulation

 Location of Profile Line for Sea Surface Topography

**NA**

**SA**

**EU**

**AF**

Figure 1. Schematic map of North and South Atlantic Ocean Gyre

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**Profile (side view) of Variation in Sea Surface Topography (height) across the North and South Atlantic Oceans**

**Southern**

**High Latitudes**

**S. Atl.**

**N. Atl.**

**Northern**

**High Latitudes**

Sea Surface Topography

 Profile Line from Figure 1 & Average Sea Level

Water Moving into Gyre Center

Figure 2. Schematic profile of sea surface topography