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Hot Planet – Cold Comfort Video

1. What drives currents that move water around the globe?

2. How is the Gulf Stream like a heat pump?

3. Why does water sink into the deep ocean basin?

4. Describe the ocean conveyor belt.

5. How has the density and salinity in the North Atlantic changed since the 1950s?

6. What happens if the Nordic Seas get too fresh? How and where would the results be seen?

7. Where does fresh water in the Nordic Seas come from?

8. Why are the tropical waters getting saltier?

9. How have glaciers changed in the last 50 years?

10. What is the negative result of glacial melting?

11. How can “global warming” cause cooling? Explain in detail with 3‐7 sentences