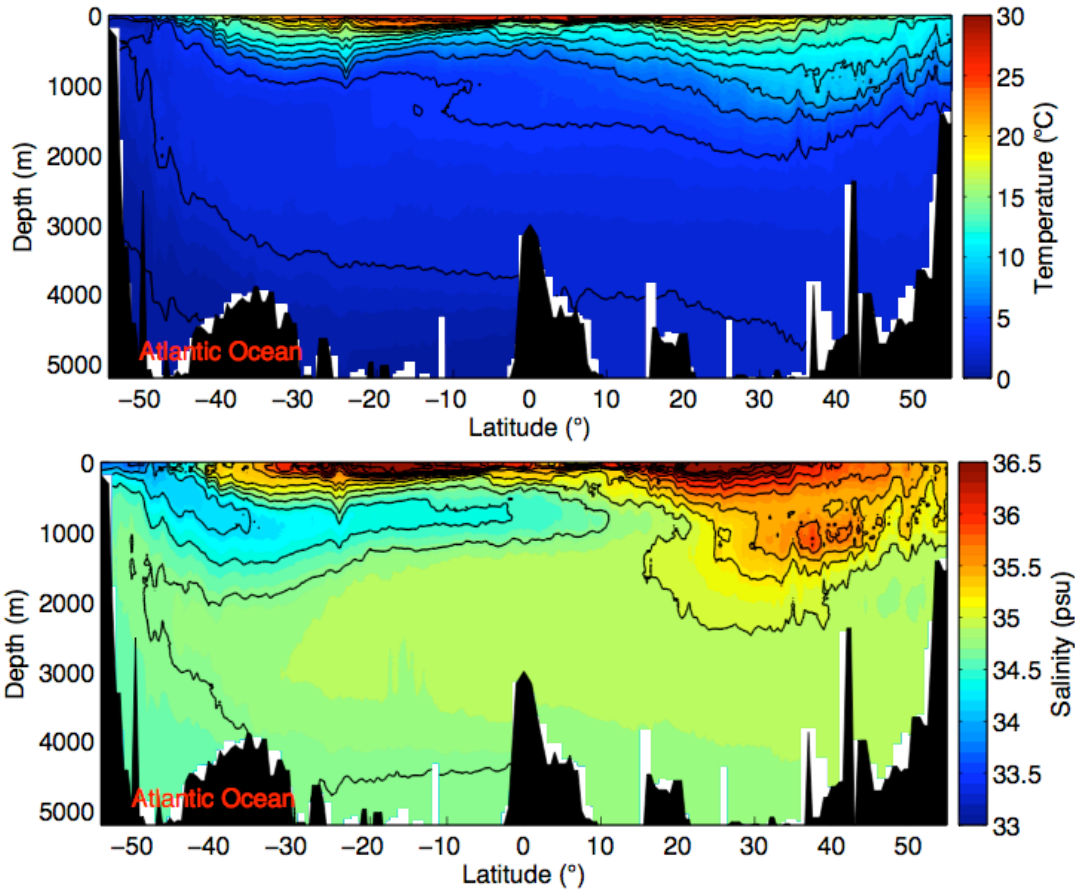


Name:



Both pictures show a slice through the Atlantic Ocean. The top picture is temperature and the bottom picture is salinity.

1. At 50°S, estimate the temperature at the surface and at the bottom.

Surface temperature:

Bottom temperature:

2. At 10°S, estimate the temperature at the surface and at the bottom.

Surface temperature:

Bottom temperature:

3. Is water more likely to sink near 10°S or near 50°S? Why?

4. Looking at the picture of salinity, describe the different vertical layers you see.

5. On the picture of salinity, draw arrows where you see evidence that the water is moving horizontally or vertically.