1. How deep are the ocean basins on average? (1) 4,000 feet, (2) 4,000 km, (3) 4,000 meters, (4) 4,000 miles.

2. Approximately how deep is the ocean surface mixed layer? 50-100 meters

3. The average salinity of seawater is 35 parts per thousand (by weight).

4. What is the thermocline? (1) the coldest part of the ocean, (2) the hottest part of the ocean, (3) the zone of greatest temperature change, (4) the zone of greatest salinity change.

5. A typical rate of temperature decrease with increasing altitude in the middle latitude troposphere, known as the environmental lapse rate, is 6.5 °C/km.

6. As air temperature increases, the capacity of air to hold water vapor: (1) decreases, (2) increases, (3) remains constant

7. The average atmospheric pressure at sea level is approximately 1000 millibars.

8. Much of Tibet lies at altitudes over 5000 meters, where the pressure is about 500 millibars. At such altitudes, the Tibetans are above roughly 50% of the air molecules in the atmosphere.

9. Is the winter--summer temperature contrast greater in Maine or Minnesota? Minnesota