ES106 Lab Practice Quiz Questions (Labs 1, 2, 3)	Name
1. The global ocean covers approximately% of the	e Earth's surface.
2. What is the primary source of energy driving c3. The substance being dissolved is referred to as4. The substance doing the dissolving is called th5. "True or False: water is a monopolar molecule	s the e
6. The measurement of the quantity of solute in	
7. Calculate the mass percent of sodium chloride 190 grams of water.	in a solution in which 10 grams of NaCl is dissolved in
kinetic energy."	uid, and water vapor is one of temperature and molecular
10. The transfer of water from the oceans to the oceans is referred to as the cycle.	atmosphere to the surface of the Earth and back to the
	rater due to salinity and temperature contrasts is referred to
12. A metal block has a mass of 5000 kg and a A) 1000 kg/m <sup>3</sup> B) 2500 kg/m <sup>3</sup> C) 5000 kg/m <sup>3</sup>	volume of 2 cubic meters. What is the block's density?  (m³ D) 10,000 kg/m³ E) none of these
13. In an ocean system, an increase of water currents, carrying water to the ocean	temperature will most likely result in strong down-welling in floor. A. True B. False
14. Heat transfer with a transfer of mass (e.g	. movement of air or water) is referred to as
15. True or False: the bond angle between	nydrogen atoms and oxygen in the water molecule is 105°
16. The global ocean covers approximately%	of the Earth's surface (use only numeric answers).
17. Given that the weight density of water is 62.4 much does 100 gallons of water weigh?	lb/cu. ft, and that there are 7.48 gallons in 1 cubic foot, hov
18. The density of a material increases with increasing temp A. True B. False	perature, due to volume expansion relative to its mass.
<ul><li>19. Heat transfer in the ocean and atmosphere is primarily be</li><li>A. Radiation B. Convection C. Reflection</li></ul>	by which of the following processes:  D. Refraction  E. None of the above
20. A metal block has a density of 500 kg per cubic meter a A) 1000 kg B) 1500 kg C) 5000 kg D)	nd a volume of 3 cubic meters. What is the block's mass? 10,000 kg E) none of these
21. 100 grams of sodium chloride dissolved in 1 Kg of water thousand. A. True B. False	results in a concentration of 1000 parts per
22. List the three mechanisms of heat transfer	, in alphabetical order.
23. Given that 1 km = 1000 m, 1 m = 3.28 ft, ar contained in 10.3 miles? SHOW ALI	•
24. In the space provided at left, draw a diagr	ram of the water molecule, include the bond angle.