Answer: B

Name	Student ID	
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.	5) The highest temperatures are typically found in the:	
 In comparing the three scales of temperature, the temperature divisions on the scale and the scale are both larger than the divisions on the scale. 	A) thermosphere. C) stratosphere. Answer: A	B) troposphere. D) mesosphere.
A) Celsius, Kelvin, FahrenheitB) Kelvin, Fahrenheit, CelsiusC) Celsius, Fahrenheit, Kelvin	6) Mercury barometer readings must be corrected for all of the following factors, except:A) changes in the acceleration of gravity with latitude.	
D) None of the above: the divisions are equal on all three scales.Answer: A	B) temperature.C) elevation above sea level.	
2) The sky is blue because of:A) absorption.	D) moisture content of the air. Answer: D	
B) reflection.C) rayleigh scattering.D) mie scattering.E) refraction.	7) The Stefan-Boltzmann law:A) does not apply to black bodies.B) demonstrates that a cooler body will radiate with greater intensity than will a hotter body.	
Answer: C 3) Hydrostatic equilibrium occurs when: A) the force of gravity and the vertical	C) is derived from Wien's law. D) gives energy intensities in watts per square meter.	
pressure gradient both act to push air upward. B) large air masses are moving either up or	Answer: D 8) The maximum concentrations of ozone are found in the:	
down. C) the force of gravity and the vertical pressure gradient both act to push air downward.	A) ionosphere.C) troposphere.Answer: D	B) mesosphere. D) stratosphere.
D) the force of gravity and the vertical pressure gradient have equal value and oppose each other.	9) This is the most abundant gas in the atmosphere:	
Answer: D 4) Of the following planets, which has the largest greenhouse effect in its atmosphere? A) Earth B) Venus C) Mars	A) oxygen. C) water vapor. Answer: B	B) nitrogen. D) carbon dioxide.

- 10) Which of the following has the shortest wavelength?
 - A) visible radiation
 - B) gamma radiation
 - C) ultraviolet radiation
 - D) microwave radiation

Answer: B