Name: Key	Period:	Date:
ATMOSPHERE AND	WIND STUDY	GUIDE
Connect each of the following words to its definition.		
<b>E</b> 1. Where weather occurs, where we live.		A. Oxygen
$\mathcal{T}_2$ . The spinning of the winds caused by the Earth.		B. Conduction
■ 3. Heat transfer through a cycle, up & down.		C. Ionosphere
K 4. Hottest and least dense layer.		D. Barometer
M 5. Where meteors burn up in our atmosphere.		E. Troposphere
<u>▶</u> 6. Protects the Earth from solar radiation.		F. Nitrogen
A 7. Makes up 20% of our atmosphere.		G. Stratosphere
<b>8</b> 8. Heat transfer through direct contact.		H. Radiation
<b>D</b> 9. Instrument used to measure air pressure.		I. Convection
H 10. Heat transfer through open space, the sun.		J. Coriolis effect
6 11. Where the ozone and jet stream is.		K. Thermosphere
<b>F</b> 12. Makes up 78% of our atmosphere.		L. Ozone
<u>C</u> 13. Made of electrically charged particles.		M. Mesosphere
Multiple Choice: Circle the correct answer choice for each question.  1. Auroras are caused by electrically charged particles that are called:		
	pressures	
<b>b</b> ions d.	atoms	
2. Gasses that trap heat in the atmosphere are called:		
a. Fluorocarbons 🐪 🖒 greenhouse gasses		
b. Argon d.	convection currents	
3. During the day heats up faster than		
a. Land, land c. ocean, ocean		
b. Ocean, land d land, ocean		
4. Wind is caused by:		
a. The tilt of the Earth ② Differences in temperature		
b. Water in the air d. Ocean currents		

5. Air is made of molecules, and thus gravity gives it: Weight c. volume b. Definition d. heat Fill in the spaces 1. Winds are named based on where they **COME FROM** 2. The weight of the atmosphere is called AIR PRESSURE 3. Differences in air pressure are caused by: UNEVEN HEATING OF EARTH'S SURFACE 5. What is the difference between Weather and Climate? WEATHER IS DAY TO DAY CONDITIONS CLIMATE IS WEATHER OVER TIME 6. Draw a diagram explaining a Land Breeze and a Sea Breeze complete with air movements. COLD SEA BREEZE (DAY TIME)

(NIGHT TIME)