Weather - Study Guide

II. IV. V. VI. VII.	water cycle seasons (earth's t heat transfer (cor land vs. sea bree . Clouds I. winds	nts (thermometer, bard ilt, uneven heating of nvection/convection co ezes & heating/coolin ng air = moistening, si	Earth, urrents, g of Ear) conduction, ro th		e, aner	nometer)		
		c notes, reading passo abulary worksheets, c			al inform	ation o	n the above t	opics.	
	view Questions As water vapor ri	ises into the sky it is c	ooled a	ınd formed inte	o a cloud	d. Who	at is this called	4 ?	
2.	Which substance is a form of precipitation?								
3.	When white, fluff a. rainy	y clouds appear in the b. foggy	e sky, th c. stori		ıt day wi d. fair	day will most LIKELY be d. fair			
4.	The Earth has va a. clouds	ried winds, rain, and v b. night air		conditions be	ecause o d. the s				
5.	Which of the follo	owing can cool the la	nd?	a. wind	b. sunlight c. steam d. fire				
6.	A large amount a precipitation	of water covering a no b. a flood	ormally c. a dr			ed d. condensation			
7	ll of the following may affect our weather EXCEPT a. temperature b. meteorologist c. wind d. sun								
8.	How are clouds formed?								
9.	9. Which type of cloud forms in horizontal layers?								
10	. A cloud that form	ns just above the surfa	ace of th	ne earth is call	ed?				
	. As the elevation essure will: a. rer	above sea level in the nain same b. In	e Earth's crease	s atmosphere c. dec		s, the r	measured atm d. fluctuate	nospheric	
12	. What is the weig	ht of air? a. air mass		b. air pressu	re		c. humidity		
13	. What is the bour	ndary between air ma	sses? (a. air pressure		b. pred	cipitation	c. front	
14	. What is the averd	age of weather condit	ions thr	ough all seas	ons over	a perio	od of time?		

16. Explain how elevation affects temperature?
17. All of the following may affect our weather EXCEPT: a. the Sun b. wind c. temperature
18. Write 3 things you know about pressure systems (check your notes): High pressure Low pressure
19. Why do globes lean sideways?
20. What happens to the area in which you live tilts away from the sun?
21. How are evaporation and condensation similar? a. Both cause decreases in air temperature b. Both cause increases in air temperature c. Both are caused by the warming of the atmosphere d. Both are caused by changes in heat energy
22. Which is an example of a different substance being formed? a. Glass breaking b. Metal melting c. Water freezing d. Wood burning
23. A pot is heated on a stove. Which process causes the metal handle of the pot?
24. Which describes why winds at the beach change direction between day and night? a. Because the temperatures over land and over water change b. Because warm air over land sinks and stays in place over land c. Because cool air rises and is replaced by warm air from the ocean d. Because cool air sinks and stays in place over land
25. If 10 grams of water are added to 5 grams of salt, how much salt water will be made?
26. How can you feel the heat from a campfire with out touching it?
 27. When standing in a swimming pool, Jan notices the water around his feel is a lot cooler than near the surface. Which process causes that? A. Convection b. Evaporation c. Radiation 28. Fred lives in the southern hemisphere. What season does he MOST LIKELY experience in August?
29. On a cold, cloudy day, the forecaster predicts that a high-pressure system will be moving into the area in the next 24 hours. Which weather conditions will this system MOST LIKELY bring to the area?
a. stormy b. sunny c. snowy d. hot 30. The weather forecast indicates a warm front will move into our area. What type of weather will MOST LIKELY result? a. clear skies/cold temps b. clear skies/hot temps c. cloudy skies/rain