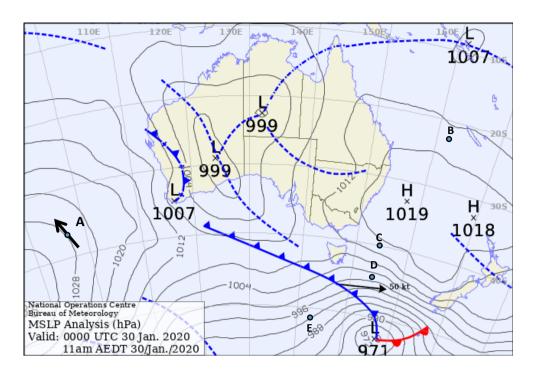
i	Sh	edding Light on the Sun and Earth E	pisode 4: The Coriolis Effect Name:	
¥ 11	1.		in the southern hemisphere and	
in the northern hemisphere. 2. Briefly describe the experimental procedure that Liacos Educational Media u starts to swirl in a particular direction in the two hemispheres.			dure that Liacos Educational Media used to examine whether water	
3	3.	Water that is allowed to drain slowly ou	at of a circular container in the southern hemisphere will start to swirl	
Tail		Some of the water in the container	4. In a gigantic container that is on the Earth's (rotating) surface, describe what will happen to the water when the plug is pulled? Describe what will happen to the water that is near the equator.	
T D	5.	Water that is allowed to drain slowly or	at of a circular container in the northern hemisphere will start to swirl	
6. Suggest a reason that Spiro unplugged the container he used from the bottom, rather than to pull out the plug?			the container he used from the bottom, rather than reaching into the water	
	7.	7. In Spiro's experiment, only one "variable" was changed to see what effect it had on another variable. Which variable was changed and which variable was observed?		
	8.	List some variables in the experiment the	nat were kept constant:	
Part E	9.	Tropical Cyclones (or hurricanes) cause a huge amount of damage in three specific ways: (a)		
			are about km/hr and in Category 5 cyclones (the strongest	
				



13. In the southern hemisphere, winds rotate	around low-pressure regions (like the		
	around high-pressure regions. The		
winds flow more-or-less (parallel or perpendicular) to the isobars. What are isobars?			
	n isobars are close together and what can be said about wind speed		
directly from Highs to Lows. Instead they mo	caused by the fact that the Earth is spinning), winds don't blow ove more or less parallel to the isobars. Place arrows on the points ind direction. "A" has been done as an example.		
17. The centre of a tropical cyclone is called the			
18. The lowest air pressure shown on the chart a cyclone Halong (mentioned in the video) was the same thing but the air pressure is especial	bove is 971 hectopascals. The air pressure in the centre of tropical s hectopascals. Lows and tropical cyclones are basicall		
winds. 19.When are tropical cyclones most likely to for	m in the hemisphere that you live in? Why?		
20. Describe how water drains from a container	near the equator		
21. The Earth spins from west to east. When viewanticlockwise/clockwise. When viewed from the 22. In which direction does the wind in all tropic	above the south pole, the Earth spins anticlockwise/clockwise.		