Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Class:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Independent Work AIR ON THE MOVE**

**(May be handwritten)**

![C:\Users\linda.barnes\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\HG8M6SYS\MC900383994[1].wmf]()Amelia Darehart’s plane keeps getting caught in various forms of moving air. For each description, fill in the name of the predicament in which she finds herself. Use the words in the box to help you with your task.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **doldrums** | **cyclone** | **jet stream** | **prevailing westerlies** | **front** |
| **land breeze** | **polar easterlies** | **sea breeze** | **trade winds** | **tornado** |

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 1. She is caught in a wind that blows toward the equator from about 30° N and 30° S of the equator. What is it?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. Ahhhh-relief! She is flying in windless \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ along the equator!

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. Warm air moving toward the poles between 30° - 60° latitude in the Northern hemisphere is pushing her along at a good speed. She is in a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4. Amelia is spinning out of control in a low-pressure system where air is whirling counterclockwise toward the center of a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 5. Warm air over land rises and cool air from the water is moving in, pulling Amelia along in air moving from sea to land. This is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 6. Between the North Pole and 60° latitude, she is bussing along in cold, dry, dense, horizontal air currents called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 7. Moving along quickly, she is in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, the narrow belt of wind near the troposphere that formed when warm tropical air met cold polar air.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 8. YIKES! Watch out for that \_\_\_\_\_\_\_\_\_\_\_\_\_, a large mass of moving air.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 9. It is nighttime and the warm air over the water rises and is replaced by cooler air from the land. This moves Amelia along with the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.