

**PHYSICAL SCIENCE 101
ASSIGNMENT 6**

Choose the letter that corresponds to each of the paired items.

- A. If the item at the left is of greater magnitude than the item at the right.
- B. If the item at the right is of greater magnitude than the item at the left.
- C. If the items are approximately the same magnitude.

1. Extent to which the trade winds blow toward east. (N. hemis.)	.....	Extent to which the trade winds blow toward west.	1. _____
2. Extent to which the "horse latitudes" are belts of high pressure	.....	Extent to which the "horse latitudes" are belts of low pressure.	2. _____
3. Tendency of winds in the zone 30°N to 60°N to blow from the west.	.....	Tendency of winds in the zone 30°S to 60°S to blow from the west.	3. _____
4. Height of mercury in a barometer at the foot of a mountain	.....	The height of mercury in a barometer when carried to the top of the mountain.	4. _____
5. Extent to which one can anticipate steady rain given the approach of a high pressure.	.....	Extent to which one can anticipate steady rain given the approach of a low pressure.	5. _____
6. Steepness of the slope of a warm front.	.....	Steepness of the slope of cold front.	6. _____
7. Tendency of a warm front to move east.	.....	Tendency of a cold front to move east.	7. _____
8. Amount of moisture in air with a relative humidity of 60% and a temperature of 50°F.	.....	Amount of moisture in the air with a relative humidity of 60% and a temperature of 70°F.	8. _____
9. A barometric reading of 30 inches.	.....	A barometric reading of 76 cm.	9. _____
10. Turbulence of the air in the Troposphere.	.....	Turbulence of the air in the stratosphere	10. _____

ANSWERS