

Mr. P's Chapter Study Guide

SCIENCE CHAPTER 8 LESSON 4: pp. 274-281

_____ Name _____

Date: _____ Score: _____



1. [pp. 275] Explain what causes wind. Include all the details on pp. 275.
2. [pp. 276] How are wind speed and wind direction each measured? Explain each.
 - wind vane:
 - anemometer:
3. [pp. 276] Explain the wind chill factor.
4. [pp. 277] What are local winds? Explain differences in a sea breeze and a land breeze.
5. [pp. 278] What are global winds? Explain. Compare local winds and global winds.
6. [pp. 278] (Figure 4): Mark up a photo of the globe and send to Mr. P.
7. [pp. 280] (Figure 5): Mark up a photo of the globe and send to Mr. P.
8. [pp. 279] Explain the Coriolis Effect. How do the winds behave differently in the Northern and Southern Hemispheres?

9. [pp. 280] Explain each wind belt and its patterns/behaviors

A

B

C

D

E

6. [pp. 281] (Parts of the Atmosphere). Draw a picture or diagram that explains the relationship between: atmosphere, convection, global winds, air pressure, & radiation.

<https://www.thoughtco.com/what-is-convection-4041318>

<https://www.e-education.psu.edu/earth111/node/1013>