

Unit 6 : Meteorology (1)

Name _____

Mr. Hugick

Directions: Use Reviewing Earth Science : The Physical Setting to answer the following questions. Answer on looseleaf- using complete sentences- 2 sentence maximum for each question. **Read pages 141-162.** Don't forget to use complete sentences!

1. Define weather.
2. Define meteorologist.
3. Define temperature and air pressure.
4. What causes air pressure and how is it measured?
5. Using ESRT: 1008 mb = _____ " Hg and 25° C = _____ ° F
6. For every 10° C rise in temp.. what happens to the amount of water vapor air can hold???
7. Define dew point.
8. How is dew point measured???
9. Define relative humidity.
10. Use ESRT...
 Wet bulb = 2 ° C , Dry bulb = 4 ° C Dew point = _____ ° C
 Wet bulb = 10° C , Dry bulb = 16° C Dew point = _____ ° C
 Wet bulb = 2 C , Dry bulb = 4° C Relative Humidity = _____ %
 Wet bulb = 10 C , Dry bulb = 16° C Relative Humidity = _____ %
11. Define vapor pressure.
12. Use figure 6-7...
 A. As temp increases... the amount of moisture air can hold _____
 B. As moisture increases... the amount of moisture in the air _____
13. What is wind?
14. How is wind measured?
15. What is the Coriolis effect?
16. How do winds move in High and Low pressure systems?

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| 1. _____ | 6. _____ | 11. _____ | 16 _____ |
| 2. _____ | 7. _____ | 12 _____ | 17 _____ |
| 3. _____ | 8. _____ | 13 _____ | 18 _____ |
| 4. _____ | 9. _____ | 14 _____ | |
| 5. _____ | 10. _____ | 15 _____ | |
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