Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_# \_\_\_\_\_\_\_\_\_ HR \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Sci. Block\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Measuring and Predicting Weather A and D Statements**

|  |  |  |  |
| --- | --- | --- | --- |
| **Statement** | **My Thoughts** | **Statement** | **My Thoughts** |
| **1. A thermometer measures air temperature.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  | **7. If it is warm and sunny, most likely, evaporation is going on.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  |
| **2. A rain gauge measures rainfall by collecting raindrops in a container.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  | **8. Cooler temperatures cause condensation.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  |
| **3. An anemometer measures wind direction.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  | **9.** **Most of the water in the water cycle can be found in clouds.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  |
| **4. Falling barometric pressure means rainy weather is approaching.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  | **10. Clouds that are scattered are less likely to produce precipitation.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  |
| **5. In the water cycle, water changes from one state of matter to another.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  | **11. White puffy clouds are called stratus.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  |
| **6. Transpiration is caused when plants release water from their leaves.** \_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  | **12. Skies like this mean rainy weather is coming.** \_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  |
| **Statement** | **My Thoughts** | **Statement** | **My Thoughts** |
| **13. In this picture, it is summer in the southern hemisphere.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  | **18. Prevailing Westerlies are narrow, fast-flowing currents of air between 3 – 7 miles above Earth’s surface.** \_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  |
| **14. When it is becoming more hot and dry, fall is starting and summer is ending in the Northern Hemisphere.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  | **19. Ocean currents, like the Gulf Stream, affect weather on land.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  |
| **15. Movement of air across the planet creates global weather patterns.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  | **20. The Earth's air and oceans are generally warmer near the poles and cooler near the equator.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  |
| **16. As a result of the movement of the air in the Jet stream, weather patterns in the United States move west to east.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  | **21. A hurricane is caused by strong winds and warm air over the ocean.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  |
| **17. When a polar air mass moves south toward the equator, temperatures will drop for that area.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  | **22. A scientist could predict local and global weather *events* by observing local and global weather patterns.**\_\_\_\_\_ agree\_\_\_\_\_ disagree\_\_\_\_\_ it depends |  |