
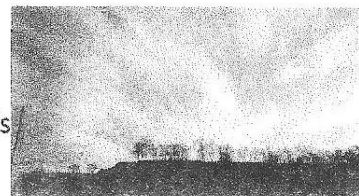
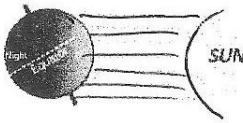


Measuring and Predicting Weather A and D Statements

| Statement | My Thoughts | Statement | My Thoughts |
|--|---|--|--|
| <p>1. A thermometer measures air temperature.</p> <p><input checked="" type="checkbox"/> agree <input type="checkbox"/> disagree <input type="checkbox"/> it depends</p> | <p>I know this because I can connect a thermometer to body temperature.</p> | <p>7. If it is warm and sunny, most likely, evaporation is going on.</p> <p><input checked="" type="checkbox"/> agree <input type="checkbox"/> disagree <input type="checkbox"/> it depends</p> | <p>THE Heat is needed for H₂O to evaporate.</p> |
| <p>2. A rain gauge measures rainfall by collecting raindrops in a container.</p> <p><input type="checkbox"/> agree <input type="checkbox"/> disagree <input checked="" type="checkbox"/> it depends</p> | <p>other types of precipitation can also be collected in a rain gauge.</p> | <p>8. Cooler temperatures cause condensation.</p> <p><input checked="" type="checkbox"/> agree <input type="checkbox"/> disagree <input type="checkbox"/> it depends</p> | <p>The higher you go in the sky, the colder it becomes.</p> |
| <p>3. An anemometer measures wind direction.</p> <p><input type="checkbox"/> agree <input checked="" type="checkbox"/> disagree <input type="checkbox"/> it depends</p> | <p>Anemometers measure the speed of the wind.</p> | <p>9. Most of the water in the water cycle can be found in clouds.</p> <p><input type="checkbox"/> agree <input checked="" type="checkbox"/> disagree <input type="checkbox"/> it depends</p> | <p>Most of it is in the oceans.</p> |
| <p>4. Falling barometric pressure means rainy weather is approaching.</p> <p><input checked="" type="checkbox"/> agree <input type="checkbox"/> disagree <input type="checkbox"/> it depends</p> | <p>Falling pressure means it is low pressure which means rain.</p> | <p>10. Clouds that are scattered are less likely to produce precipitation.</p> <p><input checked="" type="checkbox"/> agree <input type="checkbox"/> disagree <input type="checkbox"/> it depends</p> | <p>clouds that are scattered are far apart and will not usually create precipitation.</p> |
| <p>5. In the water cycle, water changes from one state of matter to another.</p> <p><input checked="" type="checkbox"/> agree <input type="checkbox"/> disagree <input type="checkbox"/> it depends</p> | <p>H₂O starts as a liquid in the ocean. It then evaporates and becomes a gas. It condenses back into a liquid then falls to Earth as either a liquid or solid.</p> | <p>11. White puffy clouds are called stratus.</p> <p><input type="checkbox"/> agree <input checked="" type="checkbox"/> disagree <input type="checkbox"/> it depends</p> | <p>white puffy = cumulus  stretches across the sky = stratus</p> |
| <p>6. Transpiration is caused when plants release water from their leaves.</p> <p><input checked="" type="checkbox"/> agree <input type="checkbox"/> disagree <input type="checkbox"/> it depends</p> | <p>Remember / think of the Mini Lab</p> | <p>12. Skies like this mean rainy weather is coming.</p> <p><input type="checkbox"/> agree <input type="checkbox"/> disagree <input checked="" type="checkbox"/> it depends</p>  | <p>Cirrus clouds can mean a change in weather within the next 24 hours.</p> |

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|---|--|--|---|
| <p>13. In this picture, it is summer in the southern hemisphere.</p>  <p><input checked="" type="checkbox"/> agree <input type="checkbox"/> disagree <input type="checkbox"/> it depends</p> | <p>The sun is pointing towards the S. Hemisphere. The hemispheres have opposite seasons.</p> | <p>18. Prevailing Westerlies are narrow, fast-flowing currents of air between 3 – 7 miles above Earth's surface.</p> <p><input type="checkbox"/> agree <input checked="" type="checkbox"/> disagree <input type="checkbox"/> it depends</p> | <p>These are referring to the Jet Stream not the West-erlies.</p> |
| <p>14. When it is becoming more hot and dry, fall is starting and summer is ending in the Northern Hemisphere.</p> <p><input type="checkbox"/> agree <input checked="" type="checkbox"/> disagree <input type="checkbox"/> it depends</p> | <p>Fall is a cold and dry season.</p> | <p>19. Ocean currents, like the Gulf Stream, affect weather on land.</p> <p><input checked="" type="checkbox"/> agree <input type="checkbox"/> disagree <input type="checkbox"/> it depends</p> | <p>The temperature of the ocean current is transferred to the land nearby.</p> |
| <p>15. Movement of air across the planet creates global weather patterns.</p> <p><input checked="" type="checkbox"/> agree <input type="checkbox"/> disagree <input type="checkbox"/> it depends</p> | <p>Global winds are a result of differences in temp. which creates 3 climate zones.</p> | <p>20. The Earth's air and oceans are generally warmer near the poles and cooler near the equator.</p> <p><input type="checkbox"/> agree <input checked="" type="checkbox"/> disagree <input type="checkbox"/> it depends</p> | <p>Warmer near the equator and colder near the poles</p> |
| <p>16. As a result of the movement of the air in the Jet stream, weather patterns in the United States move west to east.</p> <p><input type="checkbox"/> agree <input type="checkbox"/> disagree <input checked="" type="checkbox"/> it depends</p> | <p>The Jet Stream AND the Prevailing Westerlies move us weather from west to east.</p> | <p>21. A hurricane is caused by <u>strong</u> winds and warm air over the ocean.</p> <p><input checked="" type="checkbox"/> agree <input type="checkbox"/> disagree <input type="checkbox"/> it depends</p> | <p>Ocean water must be 82°F or more and strong winds cause the clouds to rotate clockwise.</p> |
| <p>17. When a polar air mass moves south toward the equator, temperatures will drop for that area.</p> <p><input checked="" type="checkbox"/> agree <input type="checkbox"/> disagree <input type="checkbox"/> it depends</p> | <p>Polar air masses are cold and they bring the cold temp. with them where ever they go.</p> | <p>22. A scientist could predict local and global weather <u>events</u> by observing local and global <u>weather patterns</u>.</p> <p><input checked="" type="checkbox"/> agree <input type="checkbox"/> disagree <input type="checkbox"/> it depends</p> <p>→ same weather repeated</p> | <p>Similar weather conditions tend to repeat themselves helping meteorologist to better predict weather events.</p> |