U1\_L3\_ALL5

Air Pressure and Wind

Watch the video and answer the following questions.

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| **1 What role does air pressure play in weather conditions?** |
| 1. Its force determines the strength of the wind. |
| b. It creates downdrafts that blow from the shore. |
| c. It is the primary cause of Trade Winds. |
| d. It determines how high or low the tide is. |

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| 1. **What gives wind its mass?** |
| a. barometric pressure. |
| b. air molecules |
| c. the convection cell |
| d. air motion |

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| 1. **Which 3 elements affect air pressure?** |
| a. Wind, Earth’s distance from the Moon and clouds |
| b. amount of plants, wind, level of oceans |
| c. height above sea level, temperature and amount of water vapor |
| d. temperature, wind, plants |

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| 1. **What is a convection cell?** |
| a. dense masses of air |
| b. a place on the beach studied by scientists |
| c. an instrument scientists use to measure wind speed |
| d. a pattern of rising warm air and sinking cold air |

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| **5 Why does air rise over land at the beach?** |
| a. Cold air gets warmer over land, which makes it lighter, so it rises.. |
| b. Warm air over the sea moves inland, gets cooler and then rises. |
| c. Trade winds around the equator blow the air higher at the beach. |
| d. Air repels land, which is cooler. |