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Student Exploration: Weather Maps

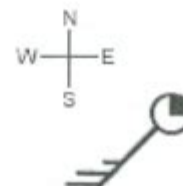
Vocabulary: air mass, air pressure, cold front, high-pressure system, knot, low-pressure system, precipitation, warm front

Prior Knowledge Questions (Do these BEFORE using the Gizmo.)

- How would you describe your weather today? The weather today is high pressure, because it is cooler and we have clear skies.
- What information is important to include when you are describing the weather? The temperature and state.

Gizmo Warm-up

Data on weather conditions is gathered from weather stations all over the world. This information is combined with satellite and radar images to create weather maps that show current conditions. With the *Weather Maps Gizmo™*, you will use this information to interpret a variety of common weather patterns.



A weather station symbol, shown at right, summarizes the weather conditions at a location.

- The amount of cloud cover is shown by filling in the circle. A black circle indicates completely overcast conditions, while a white circle indicates a clear sky.
What percentage of cloud cover is indicated on the symbol above? 25%
- Look at the "tail" that is sticking out from the circle. The tail points to where the wind is coming from. If the tail points north, a north wind is moving from north to south.
What direction is the wind coming from on the symbol above? southwest
- The "feathers" that stick out from the tail indicate the wind speed in knots. (1 knot = 1.151 miles per hour.) A short feather represents 5 knots (5.75 mph), a long feather represents 10 knots (11.51 mph), and a triangular feather stands for 50 knots (57.54 mph). Add the feathers to find the wind speed.
What is the wind speed shown on the symbol above? (about) 25 mph

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Student Exploration Weather Maps Gizmo Answer Key

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Student Exploration Weather Maps Gizmo

Learn about standard symbols used in meteorology to construct weather maps. Rain, sleet, snow, temperature, cloud cover, wind speed and direction, and atmospheric pressure can all be recorded at two different weather stations on a map. Describe weather patterns characteristic of high-pressure systems, low-pressure systems, warm fronts, and cold fronts.

Weather Maps Gizmo : Lesson Info : ExploreLearning

Learn about standard symbols used in meteorology to construct weather maps. Rain, sleet, snow, temperature, cloud cover, wind speed and direction, and atmospheric pressure can all be recorded at two different weather stations on a map. Describe weather patterns characteristic of high-pressure systems, low-pressure systems, warm fronts, and cold fronts.

Weather Maps Gizmo : ExploreLearning

Student Exploration: Weather Maps Vocabulary: air mass, air pressure, cold front, high-pressure system, knot, low-pressure system, precipitation, warm front Prior Knowledge Questions (Do these BEFORE using the Gizmo.) 1. How would you describe your weather today? _____ 2. What information is important to include when you are describing the weather? _____ Gizmo Warm-up Data on ...

Student Exploration: Weather Maps

Weather Maps Gizmo - Displaying top 8 worksheets found for this concept.. Some of the worksheets for this concept are Weather maps gizmo answers, Calorimetry gizmo work answers, Student exploration drug dosage answer key, Gizmos topographic maps answer key ebook, Gizmo answer key student exploration ionic bonds, Prairie ecosystem exploration answer key pdf, The weather cyclor answer, Summer ...

Weather Maps Gizmo Worksheets - Kiddy Math

Student Exploration: Weather Maps Vocabulary: air mass, air pressure, cold front, high-pressure system, knot, low-pressure system, precipitation, warm front Gizmo Warm-up Data on weather conditions is gathered from weather stations all over the world. This information is combined with satellite and radar images to create weather maps that show current conditions. With the Weather Maps Gizmo ...

Student Exploration: Weather Maps

Weather Map Gizmo. 1) The weather today is clear skies with temperatures around the 60's. 2) It is important to include the cloud cover, temperature, and wind. Gizmo Warm up: 1) 25% cloud cover 2) Southwest 3) 25 knots Activity A (High pressure systems): 1) A: I notice that the pressure went up as you move toward the center of the high-pressure system. B: I think its a high pressure system ...

Weather Map Gizmo - I.S.N. - mirandain.weebly.com

Student Exploration: Weather Maps Vocabulary: air mass, air pressure, cold front, high-pressure system, knot, low-pressure system, precipitation, warm front Prior Knowledge Questions (Do these BEFORE using the Gizmo.) 1. How would you describe your weather today? The weather is partly cloudy, with cold temperatures and slight wind. 2. What information is important to include when you are ...

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Student Exploration Weather Maps Worksheets - Kiddy Math

Student Exploration- Weather Maps (ANSWER KEY) (Activity C continued on next page) Activity C (continued from previous page) Observe: Click New until you see a warm front, represented by a row of ...

Student Exploration- Weather Maps (ANSWER KEY) by dedfsf ...

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Weather Maps Gizmo Answer Key (Metric) Flashcards | Quizlet

With the Weather Maps Gizmo™, you will use this information to interpret a variety of common weather patterns. A weather station symbol, shown at right, summarizes the weather conditions at a location. The amount of cloud cover is shown by filling in the circle.

Student Exploration- Weather Maps (ANSWER KEY).docx ...

Weather Maps Gizmo Prior Knowledge. The weather today is cold with scattered clouds. When you are describing the weather, you should include the temperature, precipitation, and amount of clouds. Gizmo Warm-up. 25%; Southwest; 28.775 mph; Activity A: What weather patterns are associated with High-pressure systems? A)The air pressure gets higher when you move it toward the center. B) It's called ...

Weather Gizmo - Marcus Krum Science ISN

In the Weather Maps Gizmo, students can integrate weather station data, radar views, and satellite views to understand the typical weather patterns associated with fronts and systems. A wide variety of weather systems can be investigated, including high-pressure systems and low-pressure systems associated with warm or cold fronts.

Gizmo of the Week: Weather Maps | ExploreLearning News

With the Weather Maps Gizmo™, you will use this information to interpret a variety of common weather patterns. A weather station symbol, shown at right, summarizes the weather conditions at a location. The amount of cloud cover is shown by filling in the circle.

Student Exploration Sheet: Growing Plants

Student Exploration: Hurricane Motion - Lauer Science. Student Exploration: Hurricane Motion Vocabulary: air pressure, Coriolis effect, eye, hurricane, knot, meteorologist, precipitation Prior Knowledge Questions (Do these BEFORE using the Gizmo.) A hurricane is a large, rotating tropical storm with wind speeds of at least 74 miles per hour.

Gizmo Answer Key Hurricane Motion

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