



Where does weather happen?

What are some examples of weather?



What causes weather?

Would you expect there to be more weather 10 km. or 100 km. above the ground? Why?



Why does Earth have seasons?

What makes the wind blow?



Would wind exist if there were no temperature differences in the air? Why or why not?

Why does the wind blow strongly at times?



Study the diagram on page 8. What are a few reasons people might want to measure the strength of the wind?



What are clouds made of?

Where can you find each of the three states of water in nature?



Could clouds form without the Sun? Why or why not?

Which cloud type on pages 12 and 13 do you think is the most beautiful? Why?



Which cloud type on pages 12 and 13 would concern you most if you were swimming and saw it in the sky? Why?

Why does precipitation fall from clouds?

If very cold clouds passed over warm air, what kind of precipitation might fall?



Clouds, Wind, and Storms ::|· Precipitation

If warm clouds passed over very cold air, what kind of precipitation might fall?

Science a-z.com application

Clouds, Wind, and Storms ::|· Precipitation

Could any kinds of precipitation turn into another kind of precipitation? If so, which ones? If not, why not?

Science a-z.com synthesis



Clouds, Wind, and Storms ::|· Storms

Which weather conditions are most likely to produce a storm?

Science a-z.com knowledge

Clouds, Wind, and Storms ::|· Storms

How do thunderstorms form?

Science a-z.com comprehension



Clouds, Wind, and Storms ::|· Storms

How do lightning and thunder happen?

Science a-z.com comprehension

Clouds, Wind, and Storms ::|· Storms

How would you survive if you were hiking on a mountain when a blizzard hit?

Science a-z.com comprehension



Clouds, Wind, and Storms ::|· Storms

How are tornadoes and hurricanes similar and how are they different?

Science a-z.com application

Clouds, Wind, and Storms ::|· Storms

What kinds of storms have you been in, and how did you protect yourself?

Science a-z.com application



Why do people like to know what the weather will be like?

Which weather tools on the bottom of page 22 would you use if you were planning a sailboat trip? Why?



Why is it impossible to predict the weather perfectly?

If you could choose the weather, what would it be in each month of the year?



What would life be like if the weather never changed?

Blank rounded rectangular box for student response.



Blank rounded rectangular box for student response.

Blank rounded rectangular box for student response.