

# SMART JUNIORS 1

## Animal Forecasters

Lesson 39  
Read for Detail



- Review the essay we read last time.

## Animal Forecasters

- ▶ Animals of various species, including birds, insects, and mammals have the ability to predict weather changes, such as rainfall, storms, and extreme temperatures.
  - ▶ Animals use their instincts to forecast the weather all year round and they can be found in different regions around the world. For instance, in North America, groundhogs are popular animal forecasters, while in tropical areas, some birds and insects are known to sense changes in pressure and humidity that predict the upcoming rain.



## LISTEN AND REVIEW

- ▶ Animals use a combination of sensory tools such as vision, hearing, and smell to detect changes in their environment.



Some animals also have special organs that help them sense changes in temperature, pressure, and humidity. For instance, when cows lie down in a field, it is believed to be a sign of rain or an approaching storm.

Bees have been observed to be less active before a storm, as they sense the changes in pressure. Similarly, dogs have a highly sensitive sense of smell, which allows them to detect tiny changes in the environment, such as the onset of an earthquake.



## LISTEN AND REVIEW

- ▶ The ability of animals to perceive incoming weather changes is essential for their survival. By sensing changes in weather conditions, animals can adjust their behavior, such as seeking shelter or changing their feeding patterns, to avoid danger and increase their chances of survival.
- ▶ In conclusion, animals are nature's living forecasters. By observing animal behaviors, humans have gained more crucial information to plan and prepare for incoming weather events.



### Animal Forecasters | Paragraph 1

Animals of various species, including birds, insects, and mammals have the ability to predict weather changes, such as rainfall, storms, and extreme temperatures.

- What animals is this paragraph about?

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- What kind of ability do they have?

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#### Words & Expressions

Animals of **various species**, including birds, insects, and **mammals** have the ability to predict weather changes.



### Animal Forecasters | Paragraph 2

Animals use their instincts to forecast the weather all year round, and they can be found in different regions around the world. For instance, in North America, groundhogs are popular animal forecasters, while in tropical areas, some birds and insects are known to sense changes in pressure and humidity that predict the upcoming rain.

- When do animals forecast the weather?  
\_\_\_\_\_
- Where can we find these animal forecasters?  
\_\_\_\_\_

### Words & Expressions

...in tropical areas, some birds and insects **are known to** sense changes in pressure and humidity that predict the upcoming rain.



### Animal Forecasters | Paragraph 3

Animals use a combination of sensory tools such as vision, hearing, and smell to detect changes in their environment. Some animals also have special organs that help them sense changes in temperature, pressure, and humidity. For instance, when cows lie down in a field, it is believed to be a sign of rain or an approaching storm. Bees have been observed to be less active before a storm, as they sense the changes in pressure. Similarly, dogs have a highly sensitive sense of smell, which allows them to detect tiny changes in the environment, such as the onset of an earthquake.

- What kind of sensory tools do animals use to detect the changes in their environment?

- A** vision
- B** hearing
- C** smell
- D** all of the above

### Words & Expressions

For instance, when cows lie down in a field, **it is believed to be a** sign of rain or...



### Animal Forecasters | Paragraph 4

The ability of animals to perceive incoming weather changes is essential for their survival. By sensing changes in weather conditions, animals can adjust their behavior, such as seeking shelter or changing their feeding patterns, to avoid danger and increase their chances of survival.

Read and fill in the blanks below.

By sensing changes in weather conditions, animals can adjust their behaviors like...

1 \_\_\_\_\_

2 \_\_\_\_\_

### Words & Expressions

By sensing changes in weather **conditions**, animals can adjust their behavior, such as...





### Animal Forecasters | Paragraph 5

In conclusion, animals are nature's living forecasters. By observing animal behaviors, humans have gained more crucial information to plan and prepare for incoming weather events.

### ■ True or False?

- \_\_\_\_\_ 1. Animals play a role in predicting weather events.
- \_\_\_\_\_ 2. Humans can gather valuable information by observing animal behaviors.
- \_\_\_\_\_ 3. Animal behaviors have no connection to weather forecasting.

### Words & Expressions

By observing animal behaviors, humans have got more **crucial** information to plan and prepare for incoming weather events.



### Working Out Meaning

What do the highlighted words mean? Make your own sentences using the words.

Some birds and insects are known to sense changes in pressure and humidity that predict the **upcoming** rain.

When cows lie down in a field, it is believed to be a sign of rain or an **approaching** storm.

Dogs have a highly sensitive sense of smell, which allows them to detect tiny changes in the environment, such as the **onset** of an earthquake.

### Animal Forecasters | Paragraph 4

The ability of animals to perceive incoming weather changes is essential for their survival. By sensing changes in weather conditions, animals can adjust their behavior, such as seeking shelter or changing their feeding patterns, to avoid danger and increase their chances of survival.

### Making Inferences

- Read the highlighted sentence and answer the question.

**What will happen if the animals can't sense the weather changes beforehand?**

- **Discuss with your teacher.**

## Animal Forecasters

As humans already have the technology to precisely predict weather changes, why do we need animal forecasters?





- **Complete the summary of the essay.**

Animals of various **(species/ kinds)** have the ability to predict weather changes, using their **(interests/ instincts)** and sensory tools such as vision, hearing, and smell. They can **(detect/ decide)** changes in temperature, pressure, and **(water/ humidity)** through specialized organs. For example, cows lying down may predict rain, while active bees and dogs' sense of smell can signal an **(approach/ approaching)** storm or even earthquakes. This ability is vital for animals' **(survival/ lives)** as it enables them to adjust their behaviors accordingly. By observing these behaviors, humans gain valuable insights to better prepare for **(upcoming/ coming)** weather events.





# WHAT'S NEXT...

In the next lesson, we're going to learn the critical thinking skill: "Summarizing Information using Wh- questions."

See you next time!