



Weather predictions

S. Mařufková

- People of the past didn't have satellites and other modern technologies
- They had to predict it by nature and it's signs



Clouds

- ◉ We can figure out what weather is going to be by the **height** and the **shape** of clouds
- ◉ High and white cloud = sunny and bright day
- ◉ Black and low clouds = rainstorm



Cirrocumulus

- Clouds that look like sheep
- It's a prediction for worsening weather

Cirrostratus

- Made from ice krystals
- As they pass around the Sun or the Moon, they form a circle of light around them called “halo”



There are lots of other types of clouds, like:

- Cirrus
- Nimbostratus
- Komulus
- Altokumulus
- Komulonimbus

all of these predict bad weather

- Etc.

Picture of Cirrus cloud:



Animals and insects

- People were always observing animal behaviour
- The best predictors are **birds** and **insects**



Insects and spiders

Bad weather:

- Ants are making their way to our houses
- Bees aren't calm etc.

Good weather:

- Spider make rich nets and they repair the torn ones
- Anthills are full of ants
- Butterflies sit on flowers with open wings etc.

Animals

Bad weather

- Cats and dogs eat grass and domestic animals are restless
- If a cow stands with its tail to the west etc.

Good weather

- Bats fly in the evening
- Wolves always howl more before a storm etc.

Flowers

Before the rain and thunderstorm

- The smell of flowers gets the **strongest** just before the **rain**
- Plants like tulips or dandelions **close their flowers** before **thunderstorms**
- They do it to protect their flowers



Other predictions

Circle around the Moon and the Sun

- When this **halo** appears on the sky, it's a prediction for **frosty and cold** weather
- It's just an optical effect



Softly pink sky during sunsets

- A red sky at dawn means that the low pressure air is bringing **rain**



Bubbles in puddles

- Science says bubbles in puddles can form even during **short rain** showers and **heavy rains**



Quiz

- **Who are the best weather predictors?**
- A. Birds + insects
- B. People
- C. Cattle + horses

○ **What does it predict?**

- A. Warm weather
- B. Cold weather
- C. Nothing



○ **What do usually high placed a white clouds mean for the weather?**

- A. Dogs won't bark that much
- B. It'll be sunny
- C. It'll snow

○ What is the thing shown in this picture called?

- A. Light
- B. Storm
- C. Halo

