



Air Temperature

Температура повітря е-тренінг



THE GLOBE PROGRAM


A Worldwide Science and Education Program

Ukraine



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ENGLISH



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Get Trained

GLOBE offers trainings around the world. In order to provide high-quality data to the scientific community, teachers are trained in GLOBE data-collection procedures. GLOBE protocols are written and reviewed by scientists.



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Protocol eTraining

To enter GLOBE data on this website or through the GLOBE data entry app, GLOBE users must complete the necessary training either by attending a [GLOBE workshop](#) or by completing the required online eTraining modules and assessment tests in this section. Please review the [eTraining Requirements](#) to learn which modules are required to become a trained GLOBE teacher or GLOBE Observer. Once your training is complete, you will be ready to start entering your measurements and will be joining a community of thousands teachers around the world!

Existing GLOBE teachers can continue to expand their GLOBE protocol knowledge by completing additional modules and assessment tests. Click on the [Trained GLOBE Users](#) link below to learn which tests are required to become certified in a particular GLOBE protocol.

The GLOBE community looks forward to welcoming you. Please [contact us](#) if you have any questions. Your question may also be answered in one of our [Discussion Forums](#), so check there as well.

A [summary document](#) about GLOBE eTraining is available for download.

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- Atmosphere**
- Biosphere
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- eTraining Requirements
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Atmosphere



INTRODUCTION TO ATMOSPHERE

Learn about the GLOBE student investigations that explore the Earth's atmosphere, weather and climate. After completing this module, you will be able to describe the structure and composition of the atmosphere and explain how differential

AIR TEMPERATURE

Learn how to observe maximum, minimum and current air temperature as part of a GLOBE Atmosphere Site. You will learn where to place your weather shelter and when to take air temperature observations. You will also learn different ways NASA observes air temperature and how it is used to study weather and climate.

Download Module

Assessment Test

Test completed
04/03/2018



Часто посещаемые Начальная страница



THE GLOBE PROGRAM

Protocol eTraining Assessment Test

Air Temperature Module

Click the "Start Quiz" button to begin. Good luck!

Start Quiz



Чому важливо збирати дані про температуру повітря?

Why is it important to collect air temperature data?

- It is more accurate than balloon observations.
- It helps scientists understand plate tectonics.
- It is more accurate than satellite observations.
- It helps scientists understand the Earth's energy budget.

Це допомагає вченим зрозуміти енергетичний баланс Землі

Submit All

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Де я проводжу виміри температури повітря?

Where do I take current air temperatures?

In the shadow of your body, away from buildings and other structures like trees.

У тіні від себе, далі від будинків та інших об'єктів (дерев тощо).

Over man-made surfaces like pavement.

In the sun, near man-made objects.

Under a tree, in the shade.

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To be valid, when should air temperature measurements be made for GLOBE? Коли потрібно вимірювати температуру повітря?

- Within an hour of 12 UTC
- Within an hour of solar noon В межах години від сонячного полудня
- Every other day
- As often as possible

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Коли потрібно калібрувати термометр?

When should you calibrate your thermometer?

Before you first use it and then every 3-4 months.

Every time you use it.

Перед першим використанням і
потім кожні 3-4 місяці

When you first use it and then once a week.

Never -- it comes calibrated from the factory.

Submit All

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When calibrating your thermometer, when should your thermometer be replaced?

Під час калібрування термометра, коли потрібно його переставити?

- When your thermometer reads more than 0.5 °C (plus or minus) from the nearest airport.
- When your thermometer reads more than 0.5 °C (plus or minus) from your calibration thermometer.
- When your thermometer reads more than 0.5 °C (plus or minus) from the nearest airport.
- When your thermometer reads more than 1.0 °C (plus or minus) from your calibration thermometer.

Коли ваш термометр показує більше 0,5 С (+ чи -), ніж ваш калібрувальний термометр

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When calibrating your thermometer, when should your thermometer be replaced?

- When your thermometer reads more than 1.0 °C (plus or minus) from the nearest airport.
- When your thermometer reads more than 1.0 °C (plus or minus) from your calibration thermometer.
- When your thermometer reads more than 1.0 °C (plus or minus) from the nearest airport.
- When your thermometer reads more than 1.0 °C (plus or minus) from your calibration thermometer.

? Are you sure you want to submit all answers and finish the quiz?

Yes

No

Submit All



Congratulations! You successfully completed the Air Temperature module. Click 'Finish' to record your results.

Quiz Result

Your Score: **100%**

Passing Score: **80%**

Review Quiz

Finish



Часто посещаемые Начальная страница

AEROSOLS

This module describes how to measure aerosol optical thickness (AOT) using one of two instrument options (GLOBE Sun Photometer or Calitoo)

Download Module

eTraining Information



Recently completed module: **AIR TEMPERATURE**

To be considered trained in an protocol, you must complete the assessment tests for an Introduction to a Sphere module (Atmosphere, Biosphere, Hydrosphere or Pedosphere) and the protocol you wish to be trained in. You only need to pass an introduction module once.

[View your training records](#)

Test not completed

ent air temperature as
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observations. You will
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Automated Weather Stations

Learn how to setup an Automated Weather Station (AWS) to collect a variety of data to upload to GLOBE.



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[Download Module](#)

[Assessment Test](#)

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Supporting Material:

[Automated Weather Stations](#)

Learn how to setup an Automated Weather Station (AWS) to collect a variety of data to upload to GLOBE.

PRECIPITATION - Snow

Learn how to observe new snowfall and snowpack as part of a GLOBE Atmosphere Site. You will learn how to measure snow water equivalent and the pH of snow. After finishing this module, you will understand how NASA observes snow cover using satellites.