

General information about the New York State Earth Science Regents examination

- The Earth Science Regents examination is typically given to students at the end of 9th grade or 10th grade.
- It is a physical science credit
- Must complete 1200 minutes of laboratory experience prior to taking the exam.
- Uses a reference table (Earth Science Reference Table – ESRT)
- Has a lab practical prior to the written examination

Break down of the examination

Part A Multiple choice

Part B – 1 Sequenced Multiple choice – often grouped questions

Part B – 2 Sequenced short response – often grouped questions

Part C Constructed response

- Calculations
- Measurements
- Mapping skills

Part D – Lab Practical

- In class prior to written examination

Appropriate materials to bring to the examination

- Pen (black or blue)
- Pencils
- Eraser

Materials provided at exam

- ESRT
- Calculator
 - Check calculator to make sure it functions
- Answer sheet
 - Written responses
 - Bubble sheet
- Examination booklet

The day of the examination

- You have a total of three hours to complete your examination. Use all of the time if you need it. If you are done early go through your examination.
- Written answers are done in PEN, expect drawings, graphs and maps which can be done in PENCIL.
- NEVER leave blanks. Blanks are ALWAYS wrong. If you don't know try to write something that you might know from Earth Science. Writing I don't know or IDK is always wrong.
- NO communication device can used in the examination room, you could receive a zero. Turn then off and leave them where instructed to.

This packet contains all the topics covered on Earth Science and much of the knowledge tested on the Earth Science Regents Exam.

There are separate topic questions that are from past Regents exams for students to complete along with the teacher version and answer keys.

An Earth Science Reference Table (ESRT) has been included. A student cannot be successful on the Regents if they do not know how to use the ESRT.

There are ESRT worksheets to review how to use the ESRT.

Links to various websites to assist in learning topic material, review topic material and lab practical knowledge.

The Lab Practical (Part D) is considered to be unsecured test material, it does not change every year. However, the test cannot be published online or in a document in accordance with New York State Education.

Content tested on the lab practical

Station 1 – Rock and Mineral Identification

- You will be given a mineral and must use identifiable characteristics to determine the mineral from a reference table.
- You will be given 2 rock sample where you will have to determine if they are either sedimentary, metamorphic or igneous based on identifiable characteristic.

Station 2 – Locating and Epicenter

The most difficult part of the practical

- You must calculate time to find the distance to an epicenter using a seismograph and page 11 of the ESRT
- You will be asked to make a circle with a non-pointed compass to draw a circle on a map.

Station 3 – Eccentricity of an Orbit

- You will draw an ellipse based on the directions given
- You measure the foci and major axis to calculate the eccentricity of the orbit

On the lab practical all the necessary materials will be provided to you. You can only bring a pen, pencil and eraser.

Read ALL directions carefully and listen to the directions from the teacher. You cannot go back to a station if you did not complete it.