

Lesson 1 – What is Earth Science

THE FOLLOWING VIDEO HAS BEEN APPROVED FOR
ALL AUDIENCES
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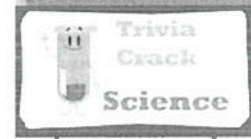
THE VIDEO HAS BEEN RATED:

I INTELLIGENT
UNDER 25 REQUIRES TEACHER
ASSISTANCE
STRONG EARTH SCIENCE LANGUAGE, DETAILED
DIAGRAMS, AND SUPER AWESOMENESS

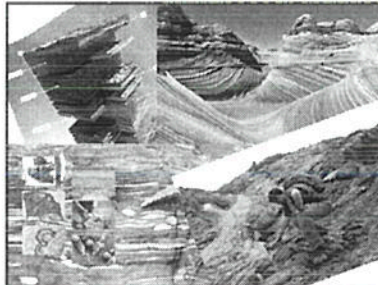
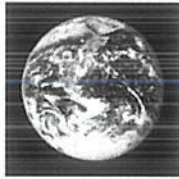
- I can name the four branches that make up Earth Science
- I can describe the four branches of Earth Science
- I can see the importance of studying Earth Science

Trivia Crack

PUT YOUR KNOWLEDGE
TO THE TEST
SCIENCE



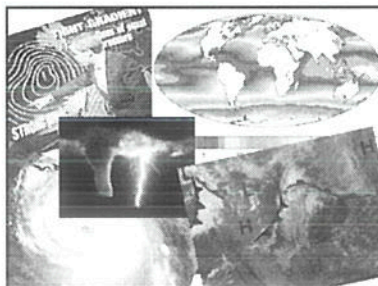
Earth Science is four sciences
rolled into one!!!



Geology

- Means "study of the Earth"
- Deals with the composition of Earth materials, Earth structures, and Earth processes.
- How the planet has changed over time.
- Important because:
 - Geologists search for fuels and minerals
 - Study natural hazards
 - Work to protect Earth's environment

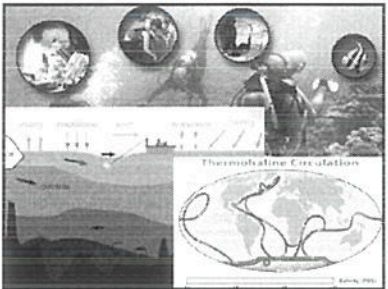
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Meteorology

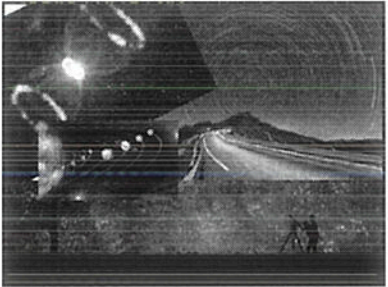
- The study of the atmosphere and how processes in the atmosphere determine Earth's weather and climate
- Important because
 - concerned about the weather
 - How climate changes over time in response to the actions of people
 - Critical concern for protecting Earth's environment.

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- ### Oceanography
- The study of Earth's oceans
 - their composition, movement, organisms and processes.
 - Important because -
 - The oceans cover most of our planet and are important resources for food and other commodities.
 - Energy source.
 - Major influence on the weather and changes in the oceans can drive or moderate climate change.

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- ### Astronomy
- The study of the universe
 - Important because:
 - The moon drives the ocean's tidal system
 - Asteroid impacts have repeatedly devastated Earth's inhabitants
 - Energy from the sun drives our weather and climates

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