

#10592 WHAT'S UP IN SPACE? EARTH

FILM IDEAS, 2004
Grade Level: 3-6
13 Minutes
1 Instructional Graphic



CAPTIONED MEDIA PROGRAM RELATED RESOURCES

- [#2577 OUR SUN AND ITS PLANETS](#)
- [#8848 OUR EARTH \(2ND EDITION\)](#)
- [#8849 OUR SOLAR SYSTEM](#)
- [#10590 WHAT'S UP IN SPACE? MARS](#)
- [#10591 WHAT'S UP IN SPACE? THE PLANETS](#)

film ideas, inc.
SINCE 1979



EARTH

“EARTH” introduces students to the planet where we live. In addition to discussing Earth’s place in the solar system, this program explains the basics of Earth Science, including atmosphere, weather, rock cycle, erosion and the water cycle.

ADDITIONAL RESOURCES:

<http://www.cybrary.org/space.htm>

<http://earth.jsc.nasa.gov/sseop/efs/>

<http://kids.earth.nasa.gov/>

<http://www.earthsky.com/>

Magic School Bus: Inside the Earth
by Joanna Cole

Janice VanCleave's Earth Science for Every Kid :
101 Easy Experiments that Really Work
by Janice VanCleave

What Is the World Made Of? All About Solids, Liquids, and
Gases (Let's-Read-and-Find-Out Science, Stage 2)
by Kathleen Weidner Zoehfeld

A Drop Around the World
by Barbara Shaw McKinney

ASSESSMENT OF PRIOR KNOWLEDGE:

What do you know about our planet, Earth?

How do you think it is like other planets in our solar system? How is it different?

DISCUSSION QUESTIONS:

What are the four main layers of the Earth? How is each layer different from the others?

Explain the water cycle.

You can imagine that people have not been able to dig through the Earth. How do you think scientists have learned about the layers of the Earth?

Knowing what makes life possible on Earth, which other planets do you think would be the most likely to be able to support life?

FOLLOW UP ACTIVITIES:

Students can scale models of the Earth’s cross section using paper mache, clay and tin foil. This will give them perspective on the size and density of the Earth’s different layers.

VOCABULARY:

Year – The time it takes Earth to make one complete rotation, or orbit, around the sun.

Day - The time it takes Earth to spin once around on its own axis.

Molten – Nearly melted, as in molten rock that oozes from volcanoes.

Atmosphere - The name for the layers of gases and clouds that surround the Earth.

Evaporate – When water appears to dry up.

Vapor – The gas form of water.

Precipitation – Rain and snow.

COMPREHENSION QUESTIONS:

Where is Earth located in the solar system?

How does our location in the solar system affect Earth?
How does it make Earth special?

What accounts for day and night on Earth?

What is the Earth's crust made of? Why is some of the crust underwater?

What is the Earth's mantle?

What happens when molten rock from volcanoes meets the cold water of the ocean?

How is the Earth's outer core different from the inner core?

What are the two elements that make it possible for life to survive on Earth?

How much of the Earth is covered with water? Why do living things need water to survive?

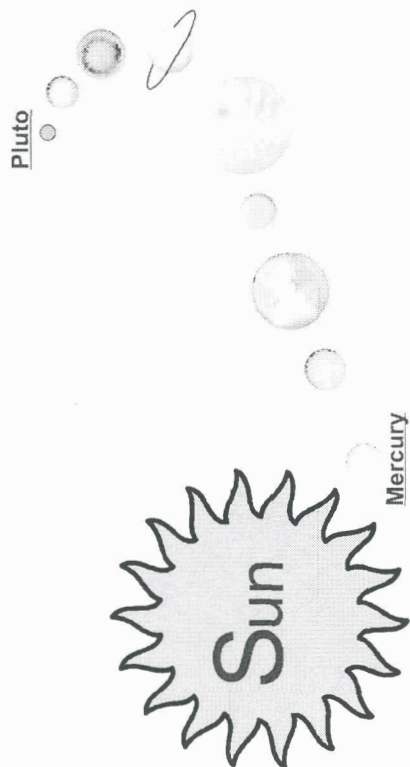
Aside from providing oxygen, what else does the atmosphere do to help Earth?

What is a continent? How many continents are there?

How is a continent different from a country?

DIAGRAM:

Study the diagram of the solar system below. Knowing that planet Mercury is closest to the sun and planet Pluto is farthest from the sun where is planet Earth in the solar system?



WHAT'S UP IN SPACE SERIES (7-PART)

- EARTH
- EXPLORING SPACE
- MARS
- MOON
- PLANETS
- STARS
- SUN

AVAILABLE
DVD & VHS



film ideas. inc.

308 N. Wolf Rd.
Wheeling, IL 60090

Tel: 1-800-475-3456

E-mail: filmid@ais.net

Web Site: www.filmideas.com

Copyright © 2004