

ANNEDROIDS

EPISODE 113

EYES ON THE SKIES

A meteorite hit the Earth! Watch as Anne, Nick and Eyes try and find the meteorite before any of the other rock hunters.

EXPERIMENT SUMMARY

EXPERIMENT: Find the meteorite that hit the Earth.

HYPOTHESIS: Since Eyes was able to track the meteorite on his camera, Anne and Nick should be able to find the meteorite before anyone else.

METHOD: Gather all of Anne's rock collecting tools and hide Eyes in the cart so no one sees him. Then, head to the beach to search.

RESULT: Anne and Nick were able to dig up the meteorite before anyone else, while also keeping Eyes hidden and safe.

CONCLUSION: Meteorites are small rocks that fall from outer space. They are dark, heavy and magnetic.

EXTENSION ACTIVITY

CREATE YOUR OWN MAGNET!

Start collecting rocks to make your own rock collection just like Anne! Go outside and try to find 5 rocks that look different from one another. Once you have collected your rocks, bring them inside and make your own observations about what they look like.

1. Observe their shape and place them in order from largest to smallest.
2. Observe their colour and place them in order from lightest to darkest.
3. Hold each rock and rank them in order from lightest to heaviest.

Once you are done your observations, have some fun and make your rock collection special. You can grab some markers or paint and decorate your rocks.

SYNOPSIS FOR TEACHERS/PARENTS:

In this episode, Anne, Nick and Shania see a meteor fall to Earth while watching Nick's mom's news segment. Anne and Nick decide to go find the meteorite, but they need to bring Eyes to help them locate the rock. They use Eyes to help them locate the meteorite before anyone else, while also keeping him safe and hidden. This episode teaches children about the properties of meteorites and other rocks (e.g., metamorphic rocks).

CURRICULUM EXPECTATIONS:

GRADE 4 SCIENCE: UNDERSTANDING EARTH AND SPACE SYSTEMS – ROCKS AND MINERALS

- 2.1 Follow established safety procedures for outdoor activities and for working with tools, materials, and equipment.
- 2.3 Use a variety of criteria to classify common rocks and minerals according to their characteristics.
- 3.3 Describe how igneous, sedimentary, and metamorphic rocks are formed.
- 3.4 Describe the characteristics of three classes of rocks and explain how their characteristics are related to their origin.

GRADE 6 SCIENCE: UNDERSTANDING EARTH AND SPACE SYSTEMS – SPACE

- 3.1 Identify components of the solar system, including the sun, the earth, and other planets, natural satellites, comets, asteroids, and meteoroids, and describe their physical characteristics in qualitative terms

MULTIPLE CHOICE



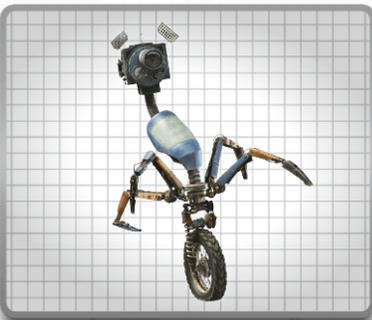
QUESTION #1: WHAT IS REVERSE ENGINEERING?

- A. The process of generating electricity.
 - B. Taking something apart to see how it works
 - C. Studying rocks and meteorites.
 - D. Using scientific knowledge to design or build things.
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QUESTION #2: A METEORITE IS...

- A. A rock that comes from outer space and hits the earth.
 - B. A rock that has been designed and created by experts.
 - C. A rock that is white, light and not magnetic.
 - D. A rocky object that orbits the Sun.
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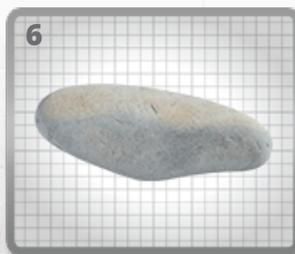
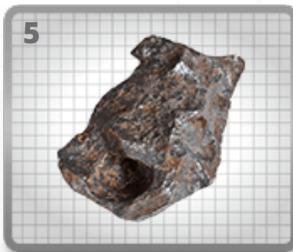
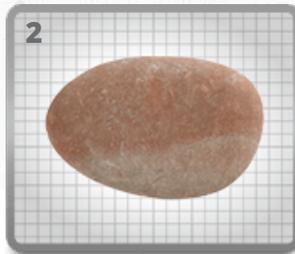
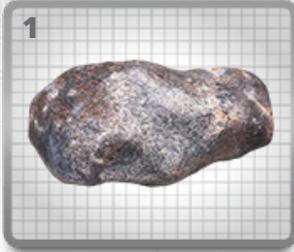


QUESTION #3: ANNE TURNED ON EYES' GEOLOGICAL SURVEYOR MODE. WHAT IS A SURVEYOR?

- A. A person who hands out surveys.
 - B. A tool for destroying rocks into tiny pieces.
 - C. A person who searches for rocks and minerals.
 - D. A computer program that designs online questionnaires.
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SORTING GAME

Meteorites are dark, heavy rocks that do not look like the rocks on Earth. Sort the rocks into the right category.



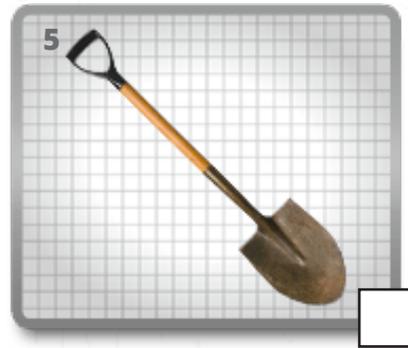
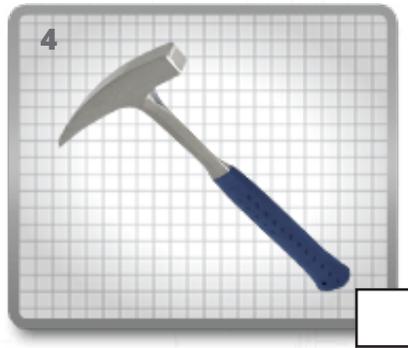
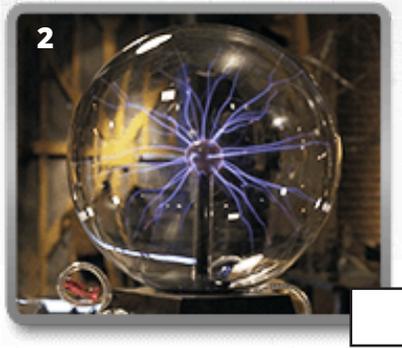
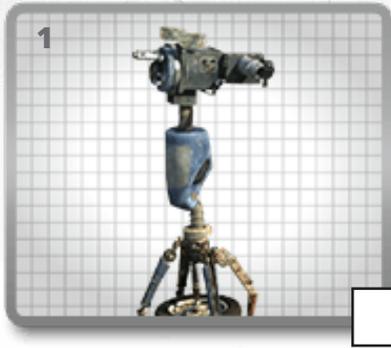
METEORITE

ROCK FROM EARTH

1. Meteorite. 2. Rock from Earth. 3. Rock from Earth. 4. Meteorite. 5. Meteorite. 6. Rock from Earth.

CATEGORY SELECTION

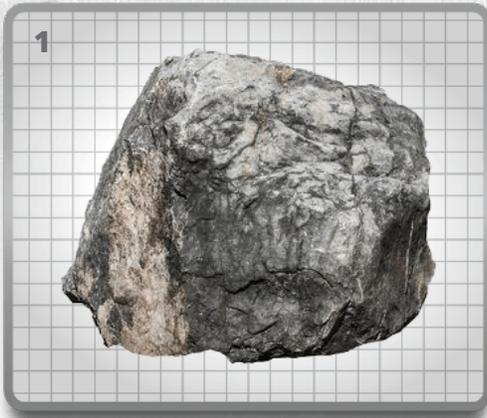
Select all the objects that can be used to help dig up rocks.



1. Eyes: Surveyor Mode (correct). 2. Plasma Ball (incorrect). 3. Wind Turbine (incorrect). 4. Rock Pick (correct). 5. Shovel (correct).

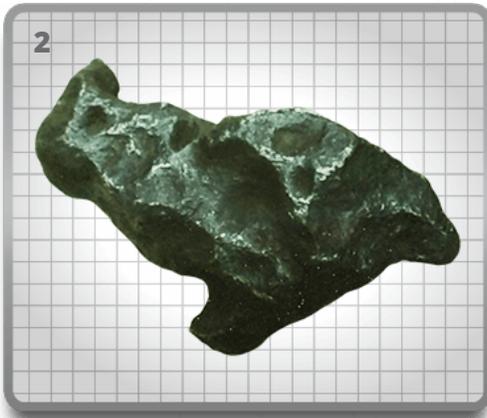
WORD JUMBLE

Unscramble the letters to find the missing word!



A metamorphic _____ is formed when other rocks are affected by heat and pressure.

KOCR



Meteorites are dark, heavy and _____.

CTIEMNAG



Meteors fall at very high _____.

PSEDES

1. ROCK. Fact: Metamorphic rocks have been changed by intense heat or pressure while forming. 2. MAGNETIC. Fact: Meteorites do not look like rocks from Earth. 3. SPEEDS. Fact: When a meteor lands on Earth it is called a "meteorite".

PUZZLE

Cut along the solid white lines to make a puzzle.

