

2009 SCAVENGER HUNT for GRADE 6-7

STOP 1 MAD SCIENCE

Normal ice changes from a solid to a liquid when it is heated. This is melting. Dry ice changes from a solid to a gas. This process is called: **Desiccation Condensation Transpiration Sublimation**

STOP 2 CARVED OPAL AND OBSIDIAN (505)

Why is obsidian good for making arrowheads?
How old are the fossil sharks' teeth from Africa?

STOP 3 AMBER WAY (506)

What is amber?
Where is amber found?
What are the properties of amber?

STOP 4 XQUISIT MINERALS (508)

We know pyrite is called fool's gold—so it is not gold. What exactly is pyrite?

STOP 5 SOLOMON'S MINE (503)

How is silicon used?

STOP 6 UNIQUE ASIAN ART (501)

What is mineralogy?
What is petrology?
Why do people study fossils?

STOP 7 NATURAL SELECTION (FRONT HALLWAY)

What is black and white and read all over?

STOP 8 PROCTOR MUSEUM (FRONT HALLWAY)

Find a dinosaur footprint model like this picture. What type of dinosaur made this footprint?



Sauropod Theropod

Which dinosaur could have made this track? **Acrocanthosaurus Apatosaurus**

STOP 9 RELIABLE FOSSILS AND MINERALS (308)

Are crinoids plants or animals?
What is a blastoid?

STOP 10 JPS MINERALS (309)

How old are dinosaur eggs?
What minerals can be considered copper ore?

STOP 11 SCHOOLER'S MINERAL AND FOSSILS (206)

What are meteorites?

STOP 12 J&J COLLECTIBLES (205)

What is a carat?
Are all 1-carat gemstones the same size? Explain.

STOP 13 ICE AGE DISPLAY (FRONT HALLWAY)

Name 2 animals that lived during the Ice Age.
What is the geological name for the Ice Age?

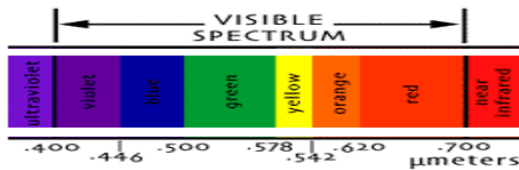
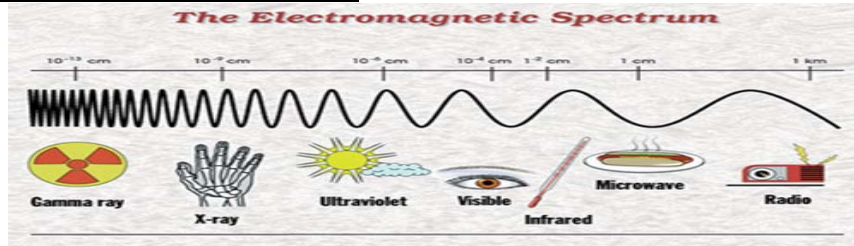
STOP 14 ART 'N' NATURE (FRONT HALLWAY)

What determines the different colors in petrified wood?

STOP 15 DREAMSTAR (FRONT HALLWAY)

What do scientists learn from artists?

STOP 16 MINERAL SECTION (FRONT HALLWAY)



Circle the color that has the highest energy level. **Red Green Violet**
Can we see ultraviolet light? **Yes No** Why?

STOP 17 ROCKSAHOLICS (202)

In what country is lapis lazuli found?
What are the various colors of beryl?

STOP 18 RARE EARTH (203)

What stone fluoresces red?
What gemstone is used to cut other stones?

STOP 19 SHU'S ROCK AND MINERAL

What is coprolite?

STOP 20 BITTERROOT (104)

What mineral is used to make a crystal radio?

STOP 21 HOUSTON GEOLOGICAL SOCIETY (EAST HALLWAY)

Coal, oil, and natural gas are called fossil fuels because they form from fossilized parts of plants and animals. Coal beds are layers of fossil plants that lived in a swamp. Oil is formed when microscopic animals die and their remains sink to the bottom of the ocean; this debris forms layers many feet deep, and then these layers are heated and squeezed to form oil. Fossil fuels must be removed from the ground before we can use them. Coal is mined. We must drill wells and pump oil from under the ground.

Are fossil fuels renewable, nonrenewable, or inexhaustible sources of energy? (Circle the correct answer.)

STOP 22 YOUTH SECTION (ATRIUM)

List 3 physical properties used to identify rocks.

STOP 23 PALEONTOLOGY SECTION (FRONT HALLWAY)

Find a mammoth tooth. Did mammoths eat grass or meat? How do you know? How is a mammoth tooth like some of your teeth? How is it different?