

# General Science Module 7 & 8 Homework (2023)

There is no test. 😊

HAPPY THANKSGIVING!!! Psalm 100:4-5

*Enter His gates with thanksgiving and His courts with praise;  
give thanks to Him and praise His name.  
For the Lord is good and His love endures forever;  
His faithfulness continues through all generations.*

## WEEK ONE: Nov 6<sup>th</sup>-10<sup>th</sup>

- Read Module 7 (pages 159-174) and complete Module 7 worksheet using your book.

## WEEK TWO: Nov 13<sup>th</sup> –17<sup>th</sup>

- Read Module 8 (see page numbers by questions) and complete Module 8 worksheet using your book.

## Friday Nov 17<sup>th</sup> – Thanksgiving Feast

- You will get 5 extra points on a worksheet if you dress in something Camo for spirit day!

Did you dress in Camo??

Circle YES or NO

## Module Points

Homework Sheet Module 7 – 100pts

Homework Sheet Module 8 – 100pts

## Module 7 Homework

Please read Module 7 (pages 159-174 ONLY) and answer the following questions.

### Matching

- |                   |   |
|-------------------|---|
| ___ Fossil        | A.) A thick, slowly flowing liquid produced by plants that can harden into a solid. |
| ___ Petrification | B.) A term applied to a species that was once living but now is not.                |
| ___ Resin         | C.) The preserved remains of a once-living organism.                                |
| ___ Extinct       | D.) The conversion of organic material into rock.                                   |

Which two kinds of fossils preserve only the shape and outer details of the creature? Cast and what else?

- A.) Molds
- B.) Petrified remains
- C.) Carbonized remains
- D.) Creatures trapped in ice

Which fossil type requires mineral-rich water in order to form?

- A.) Carbonization
- B.) Molds
- C.) Petrified remains
- D.) Creatures trapped in amber

If a **PLANT** is fossilized, which fossil type will it most likely be?

- A.) Petrification
- B.) Creature trapped in ice
- C.) Molds
- D.) Carbonized remains

A geologist is considered to be a catastrophist if he believes that every layer in a series of stratified rock represents a **DIFFERENT** time period in earth's past.

- A.) True
- B.) False

The majority of fossils in the fossil record are found in which kind of rock?

- A.) Sedimentary
- B.) Igneous
- C.) Metamorphic

**\*\*\* more questions on back of this sheet**

...Module 7 worksheet continued.

If you were in the process of studying fossils, which of the three would you most likely expect to be extinct. A 1-inch bumblebee, a 14ft long sea creature, or a land-dwelling animal 5ft long.

- A.) 1 inch bumble bee
- B.) 14ft long sea creature
- C.) 5ft long land-dwelling animal

What kinds of creatures make up the vast majority of the fossil record?

- A.) Large sea animals
- B.) Mammals
- C.) Clams and other hard-shelled animals
- D.) Plants

What is required for petrification to occur?

- A.) Millions of years
- B.) Water that has a lot of minerals in it
- C.) Animals feeding on the organism
- D.) A world-wide flood

When a plant or animal dies, what is the most likely thing that will happen to its remains?

- A.) They will remain for millions years
- B.) They will become fossilized in perfect form
- C.) They will decompose

What is so nice about fossils that have been encased in amber or ice?

- A.) They look pretty
- B.) Their tissue and other soft parts tend to be preserved
- C.) It proves they are millions of years old

Which forms first: a fossil mold or a fossil cast?

- A) Mold
- B) Cast

When looking at a picture of the strata layers in the Grand Canyon, it shows fossils in the specific layers with modern fish near the top, amphibians near the middle and trilobites towards the bottom, According to the Principle of Superposition, which of these is the oldest?

- A.) Modern fish
- B.) Amphibians
- C.) Trilobites

What are the four features of the fossil record? (Page 174 – summarize)

## WEEK 2 – HOMEWORK - Module 8

### Uniformitarianism vs Catastrophism

**Tuesday - UNIFORMITARIANISM** - (Pages 185-193)

What is the Uniformitarian view of the **Geological Record**?

What are index fossils?

What is the Uniformitarian view of the **Fossil Record**?

Is the geological column an accurate representation of earth's history? **WHY or WHY NOT?**

What are the two major conclusions that Uniformitarian assumptions provide you with?

**Six problems with Uniformitarianism. (These are the Answers. Just read.)**

1. There are too many fossils in the fossil record.
2. Fossils such as the Tyrannosaurus rex bone that contains soft tissue are hard to understand in the Uniformitarian framework.
3. Fossil graveyards with fossils from many different climates are hard to understand in the Uniformitarian view.
4. Index fossils are called into question by the many creatures we once thought were extinct but now know are not.
5. Uniformitarians must assume the existence of paraconformities.
6. Uniformitarians must believe evolution occurred and there is no evidence for evolution in the fossil record.

## **Wednesday - CATASTROPHISM – Read pages 194-202**

What is the catastrophist view of **Geological Record**?

How do Catastrophist say the Grand Canyon was formed?

How do Uniformitarians say the Grand Canyon was formed?

What is the Catastrophists view of the **Fossil Record**?

**Three problems with Catastrophism. (These are the answers. Just read.)**

- 1.) No good explanation for the existence of unconformities between rock layers laid down by the flood.
- 2.) Cannot explain certain fossil structures that looked like they were formed under “normal” living conditions.
- 3.) Cannot explain the chalk deposits we find in terms of the flood.

## **Thursday - CATASTROPHISM or UNIFORMITARIANISM**

**(Read pages 208-211)**

Your book says specifically that there is strong evidence against evolution due to what? (page 210)

According to your book, which is the correct explanation about evolution – Uniformitarianism or Catastrophism? (It may be one, neither or both)