

**Physical Science – Week 25**  
**Text pp 273-275, 288-294, 297-301**

**Part A-Read pp 273-275.**

1. What is **paleontology**?

**Memorize** the 4 geologic eras from oldest to most recent.

Read Genesis chapter 1, verses 9-13, then 20-25.

2. What kinds of living things were created on the fifth day?

3. Does verse 20 give any indication of the order of their creation?

4. What kinds of living things were created on the sixth day?

5. Do verses 24-25 give any indication of the order of their creation?

6. According to Genesis 2:19, all the beasts of the field and all the birds of the air were formed out of what?

7. What was formed first, plants or animals? (Gen 1:9-13)

8. What was man formed from? (Gen. 2:7)

**Part B-Read pp. 288-292.**

1. What are **transitional forms** and what is the mystery about them?

2. Does the fossil record support evolution?

3. What is the **Cambrian explosion**? (**Pay special attention to this! It is an extremely important proof against evolution!!**)

4. Complete this sentence: Gradual changes require that organisms be -----

5. Why couldn't a bat develop into its present form (winged) by slow, gradual changes?

6. What are some problems a "half-whale" would have?

**Part C-Read pp 292-293.**

1. What is a **mutation**? (glossary)

2. What would be the result of a beneficial mutation?

3. Are most mutations beneficial?

4. What effects do almost all mutations have?

5. What did Darwin observe about the Galapagos finches?

6. Were the Galapagos finches a different kind of bird than European finches?

7. What is the difference between "**kind**" and "**species**"?

The Galapagos finches are examples of **microevolution** (small changes).

**Part D-Read p 294.**

1. What is the **punctuated equilibrium** hypothesis?

2. What are **macromutations**?

3. What do punctuated equilibrium supporters have in common with creationists?

4. What is the big problem with punctuated equilibrium?

**Part E-Read pp 297-301.**

1. What did Darwin believe about the origin of mankind?

2. List at least 5 differences between the skull of a human and an ape.

3. (*use this line for number 2*)

4. What are the characteristics of **primates**?

5. Are we primates?

6 Name four primates.

7 Have any fossils been found that show man's complete evolution?

8 Are **Neanderthal man** and **Cro-Magnon man** considered to be apes or humans?