Green p.590-665  **Study Guide Unit test 4**

**Earth's History and Geologic Time**

**Define**

* Geologic time scale - Cyanobacteria
* Index fossil - Homo sapiens
* Principle of superposition - Angiosperms
* Relative age dating
* Eon
* Era
* Period
* Epoch

1. During radioactive decay, radioactive isotopes break down into \_\_\_\_\_\_\_\_\_\_\_ isotopes of other elements.

2. Name two sources of Earth's internal energy.

3. Describe the major reason why scientist think the dinosaurs went extinct.

4. How did cyanobacteria help increase the amount of oxygen in the atmosphere?

5. What does Earth's atmosphere today have more of than Earth's atmosphere 4.5 billion years ago?

6. Does radioactive decay occur at a constant rate? What do we mean when we say constant rate?

7. What can a fossil tell a geologist?

8. Describe the life forms in the Precambrian, Paleozoic, Mesozoic and Cenozoic Eras.

9. After cyanobacteria started to increase the amount of oxygen in the atmosphere and the ozone layer started to develop what could start to develop as well?

10. How did the Paleozoic Era end?