

Evolution

Gradual change over time...

What is it?

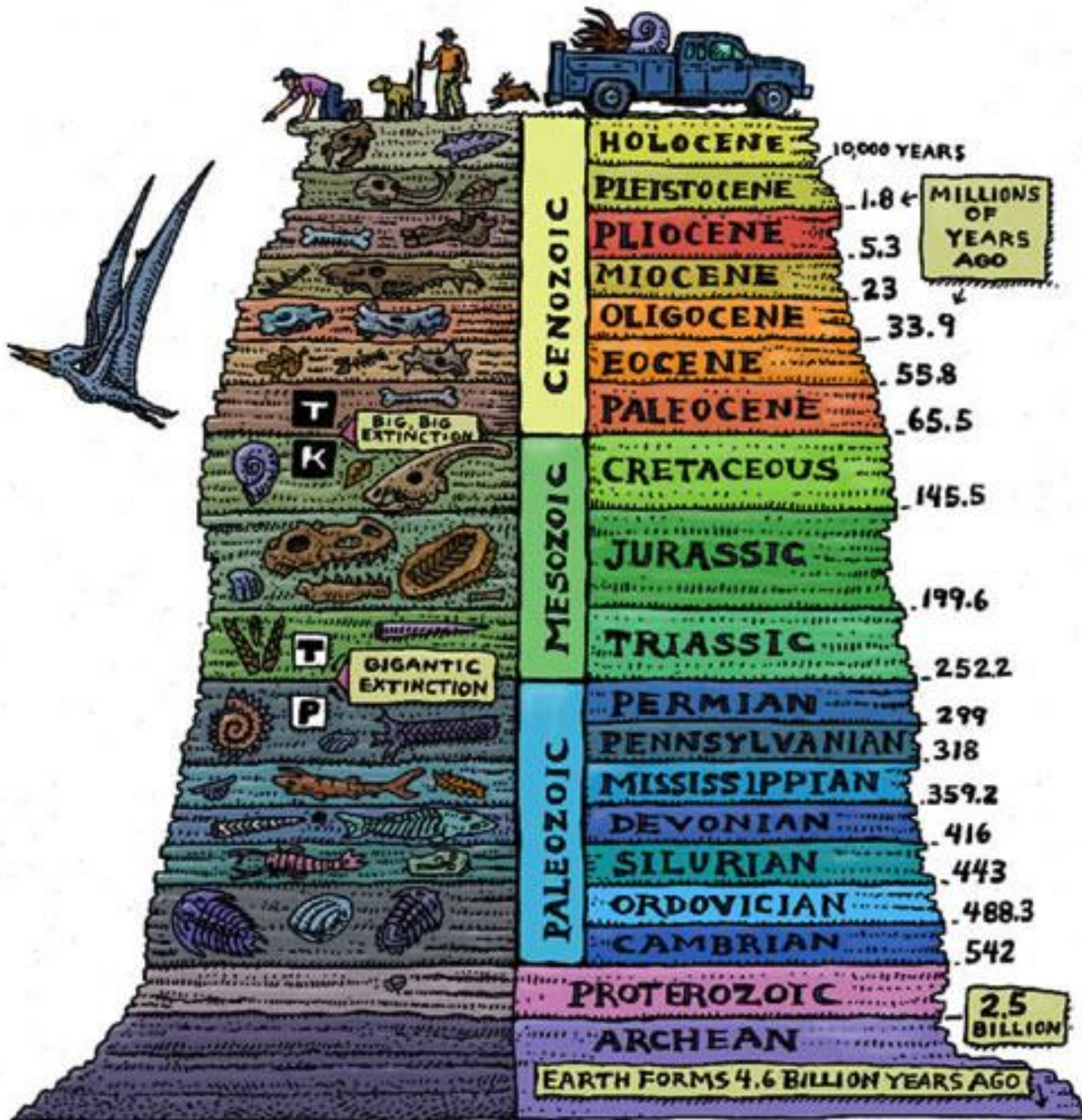
“process by which populations accumulate inherited changes over time”

- * Scientists believe:
 - * All living things have a common ancestor
 - * Species evolved over time to be more complex
 - * Earth= 4.6 billion years old

Evidence of Evolution???

- * **Fossils**- solidified remains/imprints of once-living organisms
 - * Dead organism covered by sediment
 - * Found in dirt layers

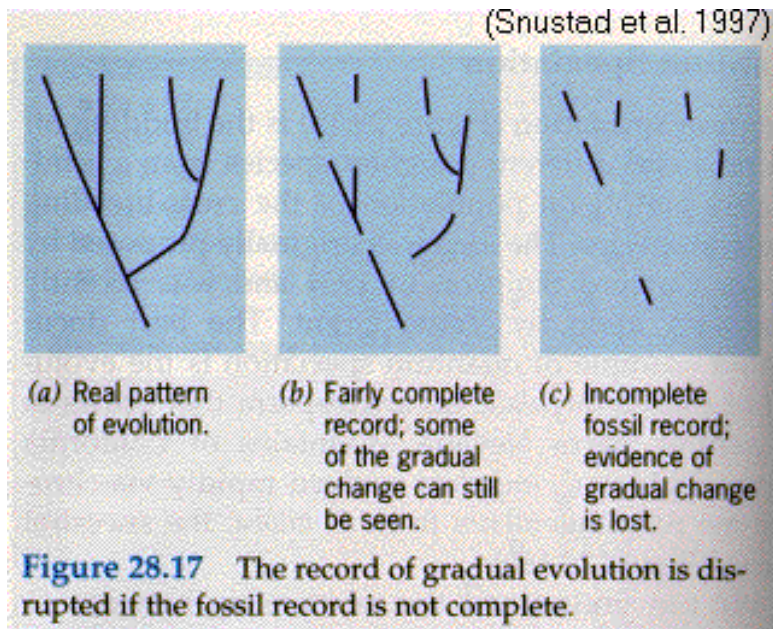




What else could have caused the layers?

Evidence of Evolution???

Using the fossil record

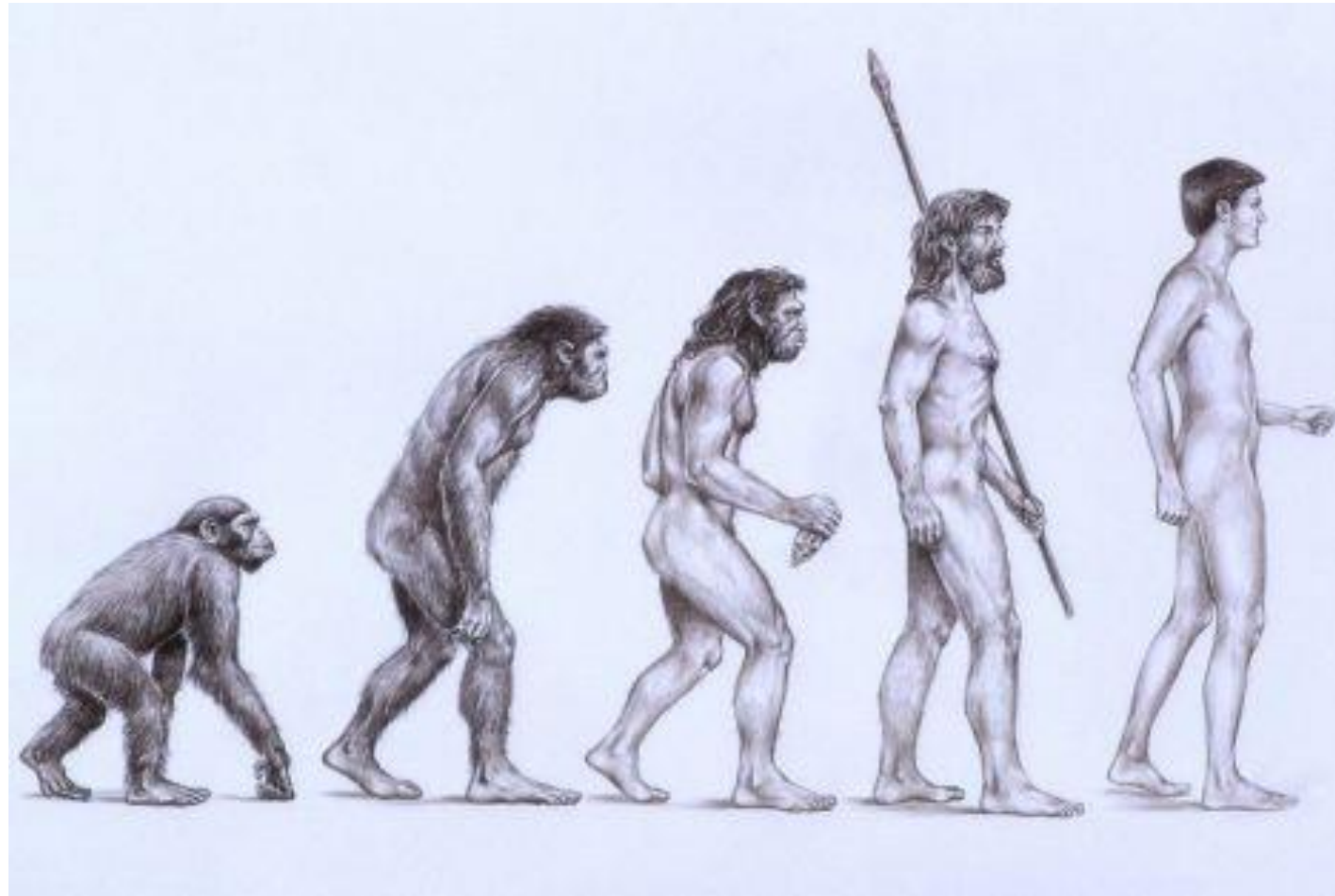


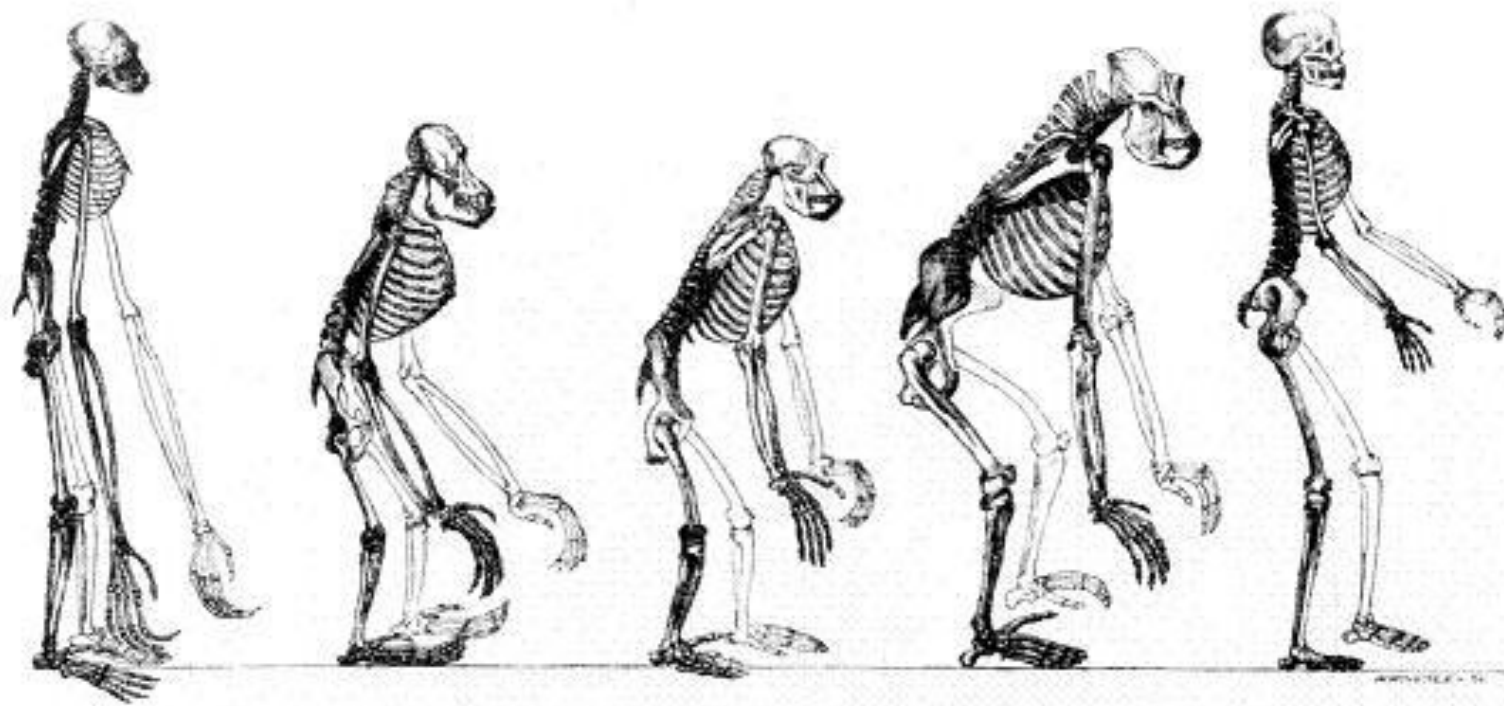
Scientists use fossils to see the order of evolutionary changes

There are gaps!

Need the right conditions to make fossils

Some body types too delicate





GIBBON.

ORANG.

Skeletons of the
CHIMPANZEE.

GORILLA.

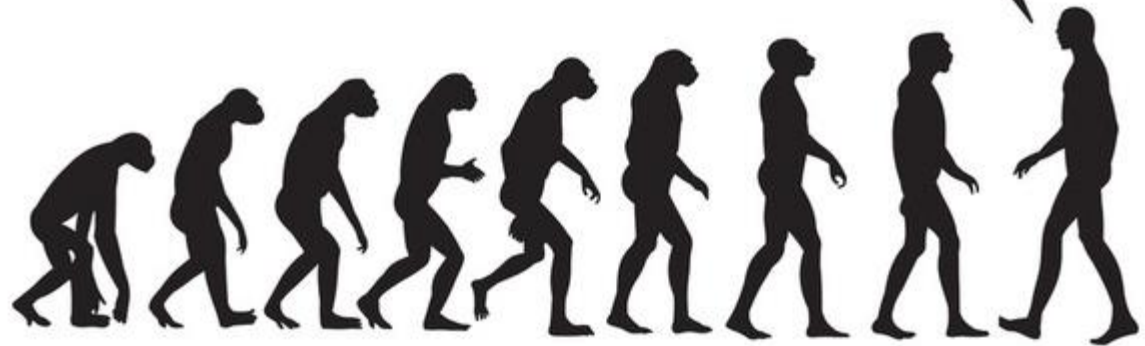
MAN.

*Photographically reduced from Diagrams of the natural size (except that of the Gibbon, which was twice as large as nature),
drawn by Mr. Waterhouse Hawkins from specimens in the Museum of the Royal College of Surgeons.*

So can Christians believe Evolution???

Well... parts of it...

Stop following me!



What Christians can accept as true:

- * **Adaptation-** characteristic that helps an organism survive and reproduce

Animals can adapt to their surroundings.



What Christians can accept as true:

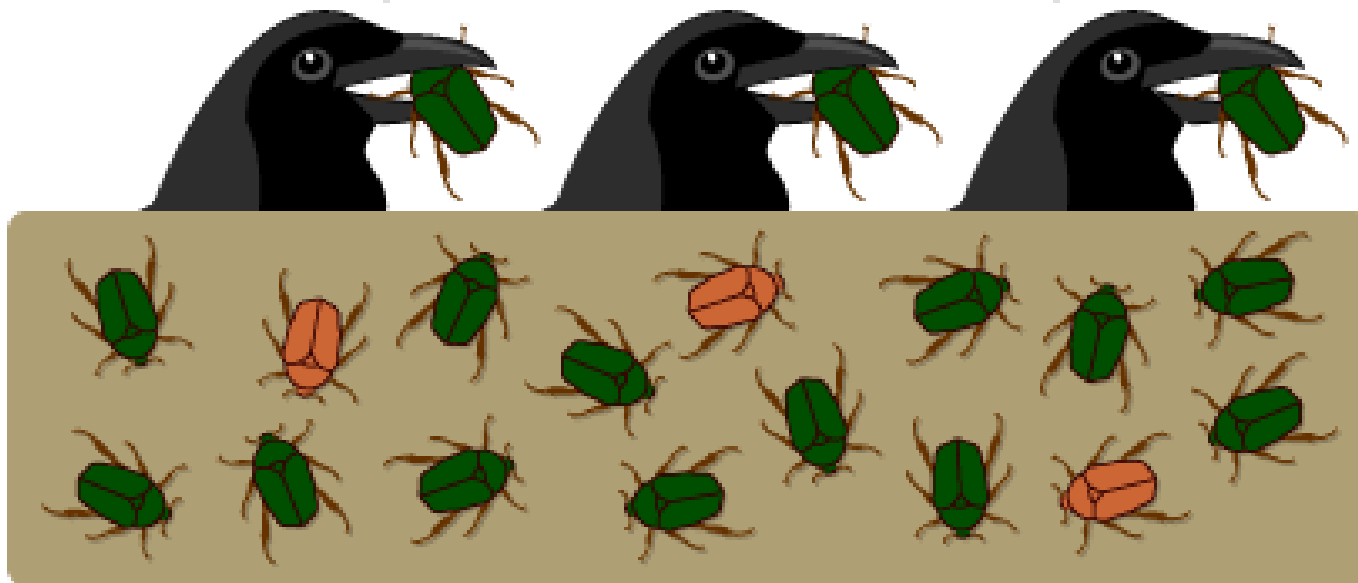
- * **Natural selection**- the best genes automatically sort themselves to the top

This automatically happens in nature.

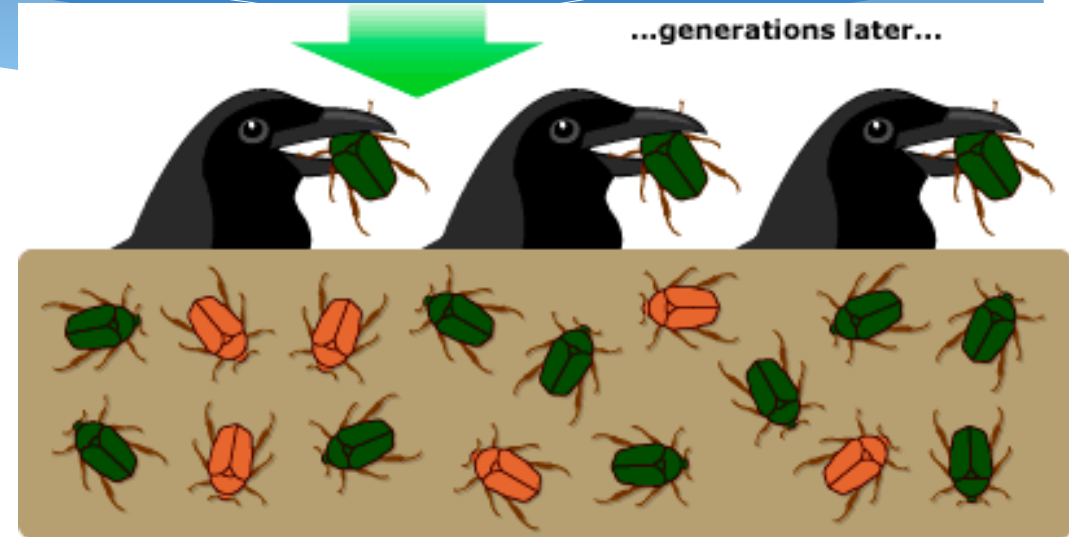


Natural selection, in a nutshell:

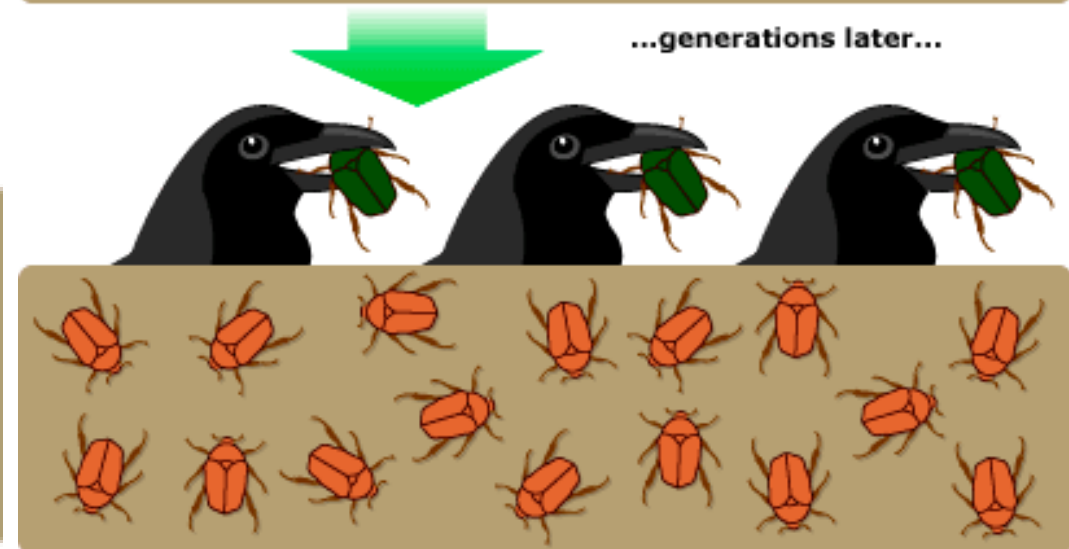
Yum! Green beetles! Our favorite!



...generations later...

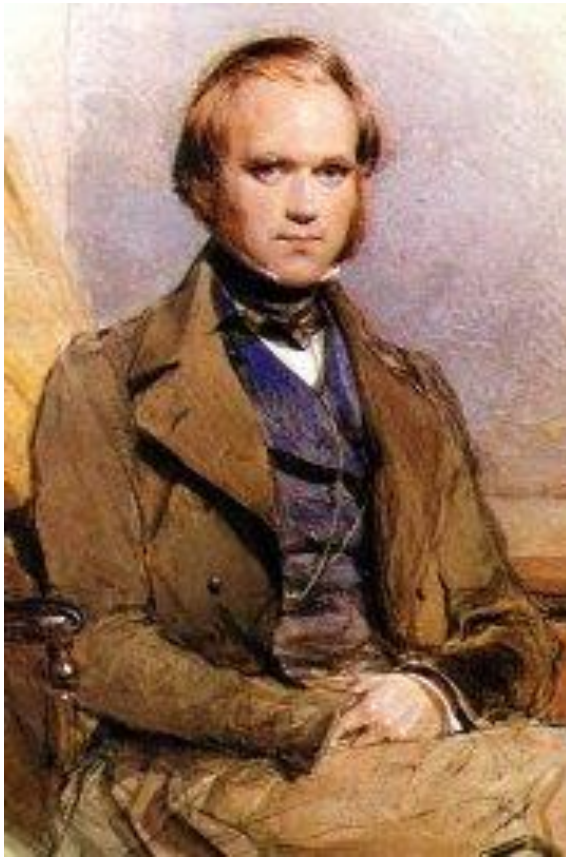


...generations later...



Green beetles have been selected against, and brown beetles have flourished.

Other stuff you need to know:



Charles Darwin

- * Former creationist
- * Traveled around the world on *HMS Beagle*
- * Studied bird beaks
- * Came up with the theory of evolution
- * **Died disbelieving his own theory**

More on Natural Selection



Peppered Moth Example

