

NAME: _____

LESSON 17: SH BIOLOGY LECTURE NOTES

!!Evolution!!...very important KEY belief to S.H

Without the theory of evolution, SH would have to rely on _____ as the explanation for life.

“ _____ is the only option

S.H. see CREATIONISM AS AN _____

ROLE OF SCIENCE (according to SH)

1. Science is basic source of _____
2. Science is the only other possibility for the _____

THE THEORY OF EVOLUTION RESTS UPON _____ PLANKS.

1. _____ The theory that _____ came from non-life. Spontaneous Generation has never been _____

MACROEVOLUTION

VS

MICROEVOLUTION

Changes from one species to a completely _____ species.

Small changes _____ species.

2. _____ (a mechanism in nature). Darwin proposed—given time, geography, life forms could literally SELF recreate new life forms. Through _____ variations.

3. Struggle for _____ and _____
The life forms best equipped by these random variations will survive.

ETHICAL IMPLICATIONS

The only moral “good” is _____. “Survival of the Fittest” is bloodthirsty—not for the weak or poor.

This phrase is a TAUTOLOGY: Greek “tautos” meaning “the same” ...

4. Mutations and _____
There are no observable _____ mutations...
All adaptations that have been observed are _____ species.

5. The _____
Darwin’s day this record was missing...it still is today. Piltdown man.
Has led to the development of the theory of _____

6. “Punctuated Equilibrium”

Tries to explain why there are _____ gradual intermediate fossils in the fossil record

1. Perhaps change occurred when a species became _____
2. Species remained the same (stasis) and change came in 1,000 years or less.

Punctuated Equilibrium clashes with Darwinian Evolution