

SCOPE OF SCIENCE

Scope of science can be described in terms of

- ★ Characteristics of science
- * Values of science

CHARACTERISTICS OF SCIENCE

- * Science is empirical.
- * Science grows through process of science
- * Scientific knowledge is replicable.
- * Scientific knowledge is holistic.



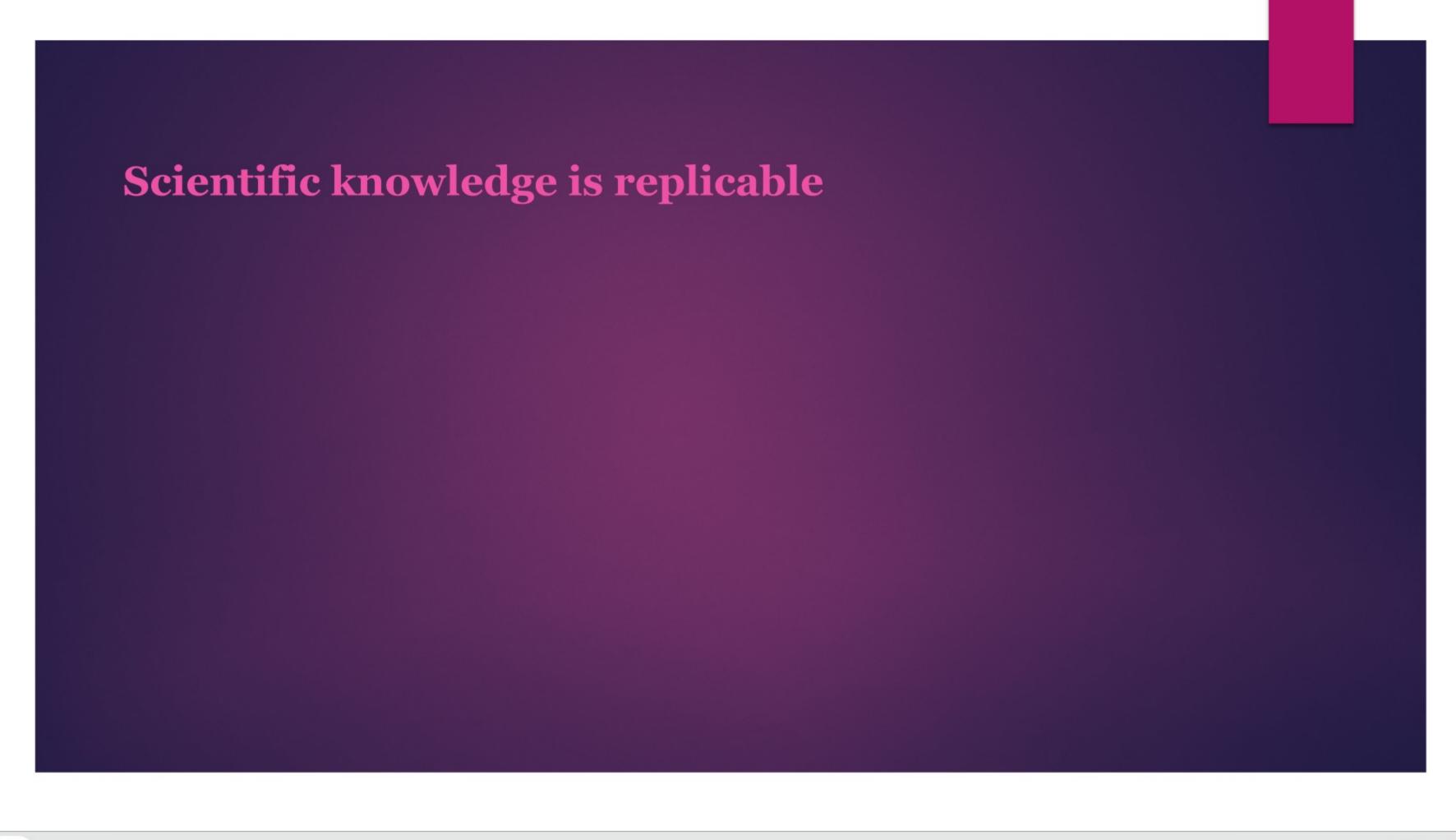
CHARACTERISTICS OF SCIENCE

- * Science is a systematized learning.
- * Science is cumulative in nature.
- * Science inculcates spirit of inquiry.
- * Science as a tool for acquisition of skills.

Science is empirical

OBSERVATION PROCESS PRODUCT

Scientific knowledge is derived by observations & experimentations.



Scientific knowledge is replicable

It has been observed that science is based on evidence which can be investigated or researched in a different place and at different time given similar conditions

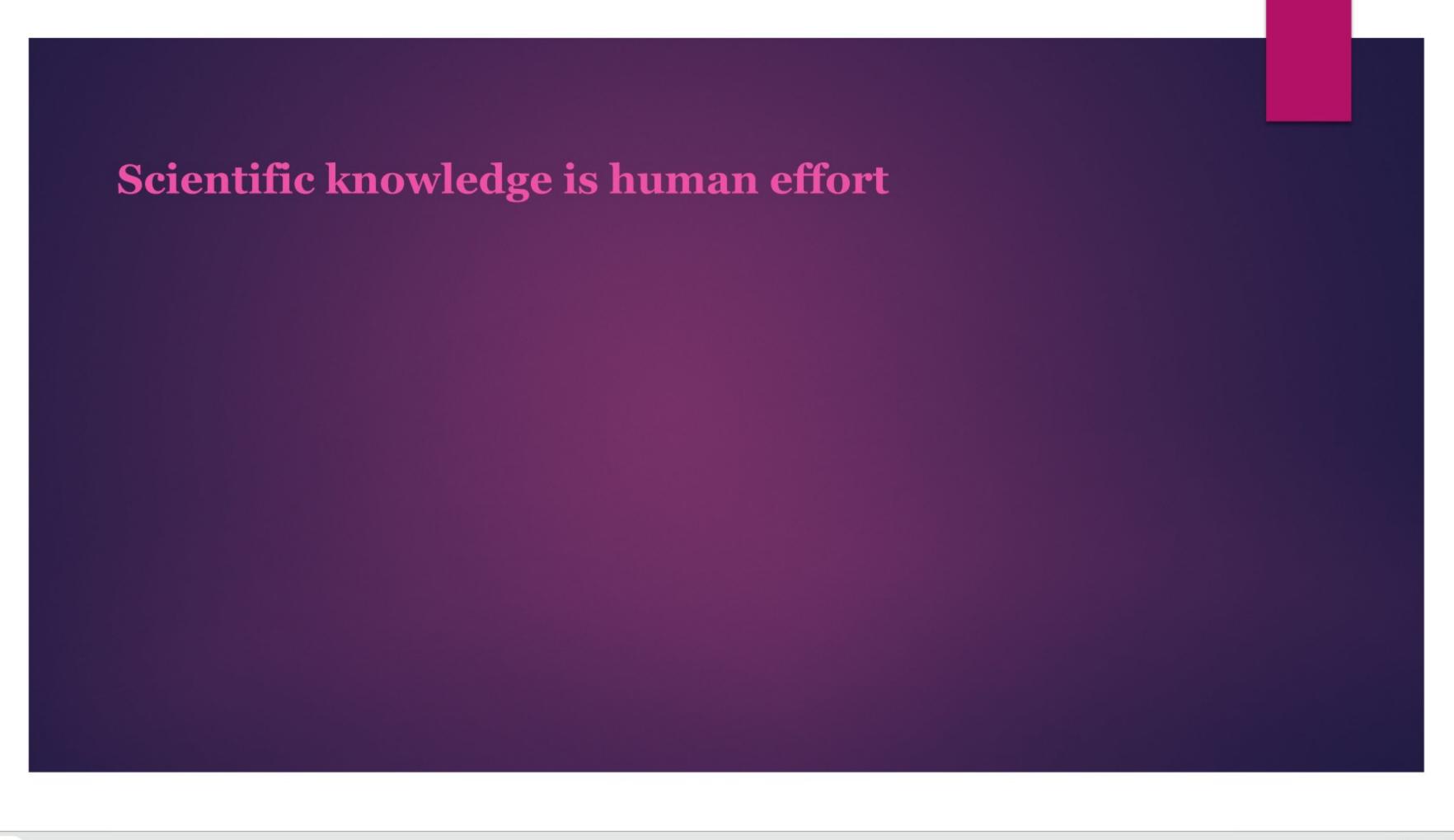
Scientific knowledge is holistic

Knowledge produced by different branches of science contributes to an overall consistent conceptual understanding with holistic nature.

Scientific knowledge is tentative in nature

Scientific knowledge is consistently changing in the light of new evidence.

Dynamic in nature.



Scientific knowledge is human effort

Scientific knowledge is an end product of human endeavour / pursuit

Scientific knowledge rooted in humanistic values

Science has its own values of objectivity, rationality, neutrality & humanity.

It is truly rooted in humanistic & pragmatic views and developing critical consciousness

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