

History of Biology Study Guide - 2008 - Midterm

Know these important ideas/issues :

organizing principles of history
zeitgeist
contingency
'Whiggish history'
a dialectic
the scientific method
inductive logic
null hypothesis
the structure of scientific revolutions
natural philosophy
natural history
natural theology
spontaneous generation
scientific illustration
preformationism
epigenesis
natural vs. artificial taxonomic systems
archetypes
idealism
vitalism
mechanism
classification

Know these important people and their ideas :

Popper
Kuhn

Francis Bacon
Gesner
Vesalius
Ray
van Leeuwenhoek
Harvey
Redi

Linnaeus

Owen

Cuvier

Spallanzoni

Montegu

Jenner

Schleiden

Schwann

Goethe