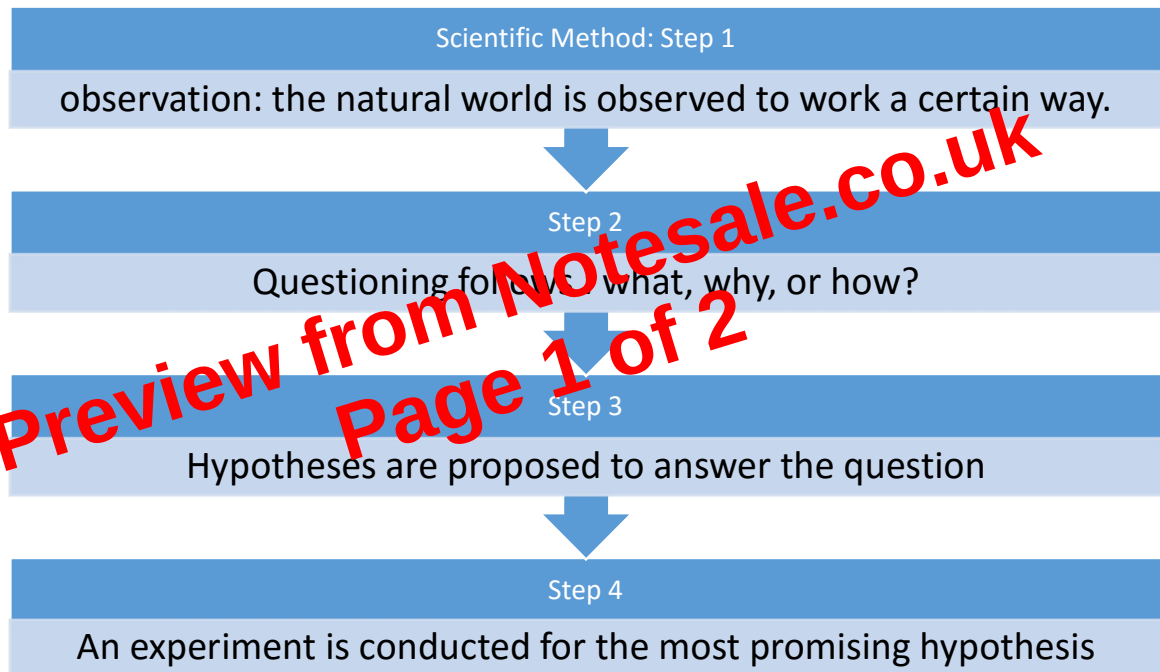


Key: Light Blue = main idea Purple = important parts of the main idea Green = examples Orange = key terms Pink = the definition of the key term Red = especially important

Bio 101: Part 1

❖ What is science?

- Science: a body of knowledge about the natural world
- Theory: a general set of principles supported by evidence that explains some aspect of nature
 - Ex. The Big Bang Theory (especially important theory for biology)
 - Theories are more valued than scientific fact because it has more explanatory power compared to a single piece of information
 - Theories are never finally proven; it's just believed to be true until disproven
- Scientific method: a means of coming to understand the natural world through observation, questioning, and experimenting



❖ The nature of Biology

- Biology: study of life
- Life is defined by these characteristics
 - Can take in and use energy
 - Can retain an internal environment
 - Composed of one or more DNA cells
 - Can respond to their environment
 - Process info in DNA which allows function