

Unit 1: We become Scientists

Select the most appropriate answers for the following question about Scientific Method.

The scientific method involves

- a) Forming hypothesis
- b) Testing hypothesis
- c) Analyzing data and drawing conclusion
- d) All of the above

A hypothesis

- a) Must be based on existing knowledge
- b) Must be complex
- c) Must be unempirical

Where can science happen in our world?

- a) only in labs
- b) only outside
- c) it can happen anywhere

Why do scientist use the scientific method?

- a) They have to in order to get paid for their work
- b) They want to because its fun
- c) It helps them show that their answer to a question is correct.

The use of our senses to understand the world around us is

- a) Observation
- b) Hypothesis
- c) Experiment

The first step in the scientific method is

- a) Ask a question
- b) Make an observation
- c) Communicate the results

A possible answer to a question or problem is called

- a) Inference
- b) Observation
- c) Hypothesis

The set of objective knowledge about facts, objects or phenomena, research method. It is called:

- a) Science
- b) Pseudoscience
- c) Experimentation

The experiments:

- a) Test the hypothesis
- b) Test the conclusions
- c) Test the publications