

Name: _____ Period: _____ Date: _____

Nature of Science and the Scientific Method

Exit Quiz – Teacher’s Edition

I. List four features of the nature of science or scientific knowledge.

II. Explain the term hypothesis.

III. Why is the scientific method important?

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Answers

I. Four features of the nature of science or scientific knowledge are:

- a) It is tentative in nature.
- b) It is based on empirical evidence.
- c) It is based on creativity of the scientist.
- d) It is durable in nature.

II. A hypothesis is:

A testable question or aim which is based on evidence. It includes an independent and dependent variable.

III. A scientific method is important because:

- In experimentation as it gives a clear procedure to follow
- Allows the method to be repeated exactly each time
- Includes factors which may influence the investigation – assists in avoiding unreliable results.