1

Question: What is at the heart of scientific inquiry, allowing scientists to test ideas and draw conclusions based on evidence?

A) The theory of relativity

B) The scientific method

C) The discovery of penicillin

D) The formulation of biochemistry

Correct Answer: B) The scientific method

2

Question: Which of the following is an example of how science is not confined to isolated fields, but rather thrives on interdisciplinary collaboration?

A) The study of space and time

B) The discovery of subatomic particles

C) Biochemistry, which merges biological and chemical principles

D) The investigation of climate change

Correct Answer: C) Biochemistry, which merges biological and chemical principles

3

Question: What plays a pivotal role in scientific research, enabling scientists to explore and understand the universe more effectively?

A) The scientific method

B) Technological advancements

C) The theory of relativity

D) The discovery of penicillin

Correct Answer: B) Technological advancements

4

Question: According to the text, what can understanding scientific principles empower individuals to do?

A) Make informed choices about history and culture

B) Make informed choices about health, the environment, and technology

C) Develop new technologies without considering the consequences

D) Ignore the impact of science on society

Correct Answer: B) Make informed choices about health, the environment, and technology

5

Question: Why is it essential to inspire the next generation of scientists, according to the text?

A) So they can conduct research in isolated fields

B) So they can focus solely on the theory of relativity

C) So they can cultivate a love for science and promote STEM education

D) So they can disregard the importance of technological advancements

Correct Answer: C) So they can cultivate a love for science and promote STEM education