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****Question:**** What lies at the heart of scientific inquiry according to the text?

- A) Observation
- B) Experimentation
- C) The scientific method
- D) Analysis

****Correct Answer:**** C

2

****Question:**** The text mentions the discovery of penicillin as an example of:

- A) Technological advancements in science.
- B) The interconnectedness of scientific disciplines.
- C) Scientific breakthroughs that changed the world.
- D) The role of technology in scientific research.

****Correct Answer:**** C

3

****Question:**** How does biochemistry contribute to scientific advancements, according to the text?

- A) It studies the behavior of subatomic particles.
- B) It explores the molecular mechanisms of life.
- C) It analyzes vast datasets to uncover new discoveries.
- D) It helps us understand climate change.

****Correct Answer:**** B

4

****Question:**** The text argues that understanding scientific principles can empower individuals to:

- A) Become professional scientists.
- B) Make informed choices about health, environment, and technology.

C) Conduct complex experiments.

D) Write effective science fiction stories.

****Correct Answer:** B**

5

****Question:**** What is the main idea conveyed in the concluding paragraph of the text?

A) Science is a challenging field with limited opportunities for discovery.

B) Science is a continuous journey of exploration and discovery.

C) Science is primarily focused on solving problems of the past.

D) Science is only accessible to a select few.

****Correct Answer:** B**