

Exploring the world of Science

Choose one correct option

1. Which of the following is the best example of a testable scientific question?
 - a. Are flowers beautiful?
 - b. What is the best colour for a car?
 - c. Does the amount of sunlight affect the growth rate of sunflowers?
 - d. Why is the sky blue?

2. Which quality is not typically associated with a scientific temperament?
 - a. Open-mindedness
 - b. Blind acceptance
 - c. Critical thinking
 - d. Curiosity

3. A well-written hypothesis should include
 - a. a personal opinion and a prediction
 - b. an "If... then... because..." statement
 - c. a random guess
 - d. a detailed conclusion

You can tick more than one option

4. What are the first two steps in the scientific enquiry process?
 - a. Asking a question
 - b. Drawing a conclusion
 - c. Making an observation
 - d. Conducting a survey

5. After collecting data, what should a scientist do next?
 - a. Analyse the data to look for patterns

- b. Change the hypothesis
 - c. Draw conclusions based on the data
 - d. Repeat the experiment without recording it
6. Which of the following statement(s) reflect(s) a scientific mindset?
- a. "Let's test it and look at the evidence."
 - b. "I believe it's true, so I won't question it."
 - c. "I will only accept the results if I agree with them."
 - d. "Let's question this idea and gather facts."
7. Identify the important quality(ies) of a good scientist from the options given below.
- a. Curiosity
 - b. Superstition
 - c. Skepticism
 - d. Blind faith

Subjective type

- 8. List the key components involved in a scientific investigation.
- 9. What is the main goal of scientific communication?
- 10. How does applying scientific thinking in daily life help you make better decisions?