

Directions: Answer the following questions using complete sentences.

1. What skills are important in science?
2. What skill is most important in science?
3. What is critical thinking?
4. What is the scientific method?
5. What is a hypothesis?
6. How do you test a hypothesis?
7. What is a variable?
8. Why do you change only one variable at a time?
9. Why is it true that no experiment is a failure?

10. What do scientists do if they can not use an experiment to test a hypothesis?

11. What three things do scientists need to know about the tools they use?

12. List three of the tools of scientists and what they do.

13. Why can't scientists use inches and gallons when they measure?

14. What are the seven base units of the SI system?

15. What are derived units?

16. Why do you need prefixes in the SI system?

17. How do you convert from one unit to another in the metric system?

18. How is weight different from mass?

19. What two ways can you measure volume?