

1-1 WHAT IS SCIENCEName _____

1. The goal of science is to _____ and _____ the natural world, to _____ events in the natural world, and to use those explanations to make useful _____.

2. Name the three features that make science different from other human endeavors.

- a) _____
- b) _____
- c) _____

3. _____ is an organized way of using evidence to learn about the natural world.

4. Observations usually involve the _____.

5. What are the two main categories of data?

- a) _____
- b) _____

6. An _____ is a logical interpretation based on prior knowledge or experience.

7. Explaining and _____ Evidence

8. A _____ is a proposed scientific explanation for a set of _____.

9. Some hypotheses are tested by performing _____. Other hypotheses are tested by gathering more _____.

10. To be valid, a conclusion must be based on _____ interpretation of data.

11. Science is an ongoing process that involves:

- a. _____ c. _____
- b. _____ d. _____

12. Because of new tools, techniques, and _____, scientific understanding is always _____

13. Scientists continually evaluate the _____ and _____.

14. The power of science has definite _____.

15. Biologist focus on _____.

16. Science and _____ Values

17. Because of new _____ gained through research, scientist continually _____ and _____ their ideas.

18. An understanding of science and the _____ is essential to making intelligent decisions

