

Guided Reading Chapter 2 Section 3

1. _____ reporting is a very important tradition in scientific research.
a) Partial b) Truthful c) Biased
2. What is a scientific journal?
3. Good science is always repeatable, durable, based on evidence, and _____.
4. A cell phone is an example of _____.
5. Name several types of engineers. Explain what all engineers accomplish in their work.
6. Name some technologies that engineers create.
7. Engineers with ideas begin their planning using a _____.
8. It is important for engineers to _____ their prototypes to evaluate the model under certain situations.
9. Sometimes engineers have trouble with their models and need to revise the design a few times to make sure the design holds up in a wide range of _____.
10. What is the engineering cycle and why is it important?

Teachers Guide

1. B, truthful
2. A scientific journal is a collection of articles written by scientists who have done some experiments, had their work reviewed by their peers, and want to share their results with other like - minded scientists.
3. Unbiased
4. Technology
5. Some different types of engineers are mechanical, electrical, chemical, and civil. Engineers are people who design technology to solve problems.
6. Some technologies created by engineers are plastics, suspension bridges, phones, and airplanes.
7. Prototype
8. Test
9. Conditions
10. The process of design, prototype, test, and evaluate, makes up the engineering cycle. It is important because problems arise and design flaws can be worked out before a product is released to the public.