

Composites

Use the Internet or other resources at your disposal to answer the following questions.

1. Define the term composite. What synonyms have the same meaning?
2. What properties of composites make them useful?
3. Give an example of a composite used in the construction of your house.
4. Give an example of a composite found in (or on) your car.
5. Give an example of a composite used in industrial or commercial construction.
6. Give an example of a composite used in civil engineering projects (road or bridge construction, water or sewer systems, public transportation systems, etc.)
7. Give an example of a naturally occurring composite.
8. What purpose do composites serve in nature?
9. How do man-made composites compare to natural composites?
10. Give an example of an industrial process used to manufacture composite materials.
11. How important is the manufacture and use of composites in the US economy?
12. What types of scientists create (invent, manufacture, produce) new composites?
13. List twenty different composites commonly used in the US.
14. Using the Internet, magazines, newspapers or other sources, find five pictures of composites commonly used.
15. Based on what you have learned, how do composites affect the quality of your life?