

Learning about Simple Machines - WebQuest

Use the Internet and your Science Book to help you find the answers.

1. Define a machine in your own words.
2. What are the six simple machines?
3. What is the purpose of a simple machine? What are two ways it can do this?
4. Which of the simple machines is used to hold two objects together?
5. What is the object that a machine is lifting or moving?
6. What is a machine with a grooved wheel that holds a cable?
7. What does "mechanical efficiency" refer to?
8. What is the formula for mechanical advantage?
9. What impact does friction have on machines?
10. What are the three types of pulleys?
11. How is the class of lever determined?
12. Give an example of each of the three classes of levers.
13. How are a wedge and an inclined plane different?

14. What is something the screw can do that the other simple machines can't?

15. Who is Rube Goldberg and what does he have to do with simple machines?