

Work, Power and Simple Machines

1. Define work with an equation.
2. What is the unit for power?
3. Explain what any machine does.
4. Explain why no machine is 100% efficient
5. What class of lever do scissors belong to?
6. What is the mechanical advantage of a pulley system that has six supporting ropes?
7. List the six simple machines
8. How do you calculate the mechanical advantage of an incline plane?
9. Which simple machines are most closely related to a lever?
10. Give an example of a third class lever.