

Chapter 5: Work and Machines

I Can Statements

I can...

1. define work
2. calculate work done
3. relate work to exercise and joules/calories burned.
4. define power
5. calculate power
6. explain the purpose of a machine
7. I can give examples of the simple machines
8. name the 6 simple machine
9. calculate the mechanical advantage of a machine.
10. Explain why efficiency of a machine can never be greater than 100%.
11. Tell why no machine is 100% efficient.
12. calculate a machines efficiency
13. give examples of the tree classes of levers
14. Categorize all simple machines as either levers or incline planes.
15. give examples of compound machine