

Name _____

Understanding the Difference

Short Answer Key

1. A complex machine example is an automobile. It is considered complex due to its many interconnected parts, such as the engine, transmission, suspension, and electrical systems, working together to perform various functions.
2. The main components of a simple machine are one or two basic parts. An example of a simple machine is a lever, which consists of a rigid bar and a fulcrum.
3. Complex machines have numerous interconnected parts, while simple machines have only one or two basic components.
4. Mechanical advantage in simple machines is related to their ability to amplify force or reduce the force required. For example, a lever can amplify force by allowing you to lift a heavy object with less effort.
5. Simple machines are considered the building blocks of complex machines because they provide the fundamental principles and functions upon which complex machines are constructed.

