

Sample Data

Video

Title: What are libraries?

Vimeo Link: <https://vimeo.com/532258539/e3f353f172>

Flashcards

1. Did you know

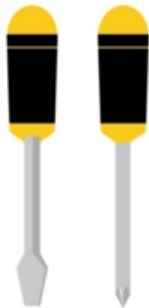


Do you know how the word 'Robot' was coined?

The term Robot is derived from the Czech word Robota which means hard work. It was coined by Karel Capek in his 1920 play, Rossum's Universal Robots.

2. Know your tools

Screwdriver



A screwdriver is a tool used for driving screws. A typical simple screwdriver has a handle and a shaft, ending in a tip the user puts into the screw head before turning the handle.

3. Let's sum up



Friction

Friction is the force of resistance generated when two surfaces rub against each other. This friction between the two surfaces converts kinetic energy into thermal energy.

MCQ

A) Identify the correct statement regarding complex machines

1. Complex machines are not the combination of simple machines
2. Complex machines are combination of simple machines
3. Simple machines are combination of Complex machines
4. None of these

Correct answer: 2

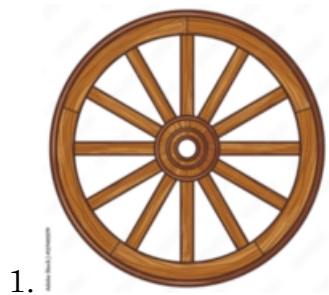
B) Identify the robot shown in the picture.



1. Roomba
2. Altas
3. Spot
4. Asimo

Correct answer: 3

C) Identify the simple machine ?







Correct answer: 1

Match the following

A) Match the following terms related to atoms & electrons

Electrons	Negatively charged
Protons	Positively Charged
Neutrons	No Charge
Nucleus	Consist of protons & neutrons

B) Match the following to the type of Energy Produced

	Chemical to electrical
	Electrical to heat
	Electrical to light
	Light to Chemical

Sorting

A) Sort the following into complex machines & simple machines

Pulley
 Rocket
 Soda Opener
 Wheel barrow
 Car
 Robot

Simple Machine	Complex Machine
Pulley	Rocket
Soda opener	Robot

Wheelbarrow	Car
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B) Sort the following into complex machines & simple machines



Simple Machine	Complex Machine
