Machines and Tools—

General Terms About Machines and Tools

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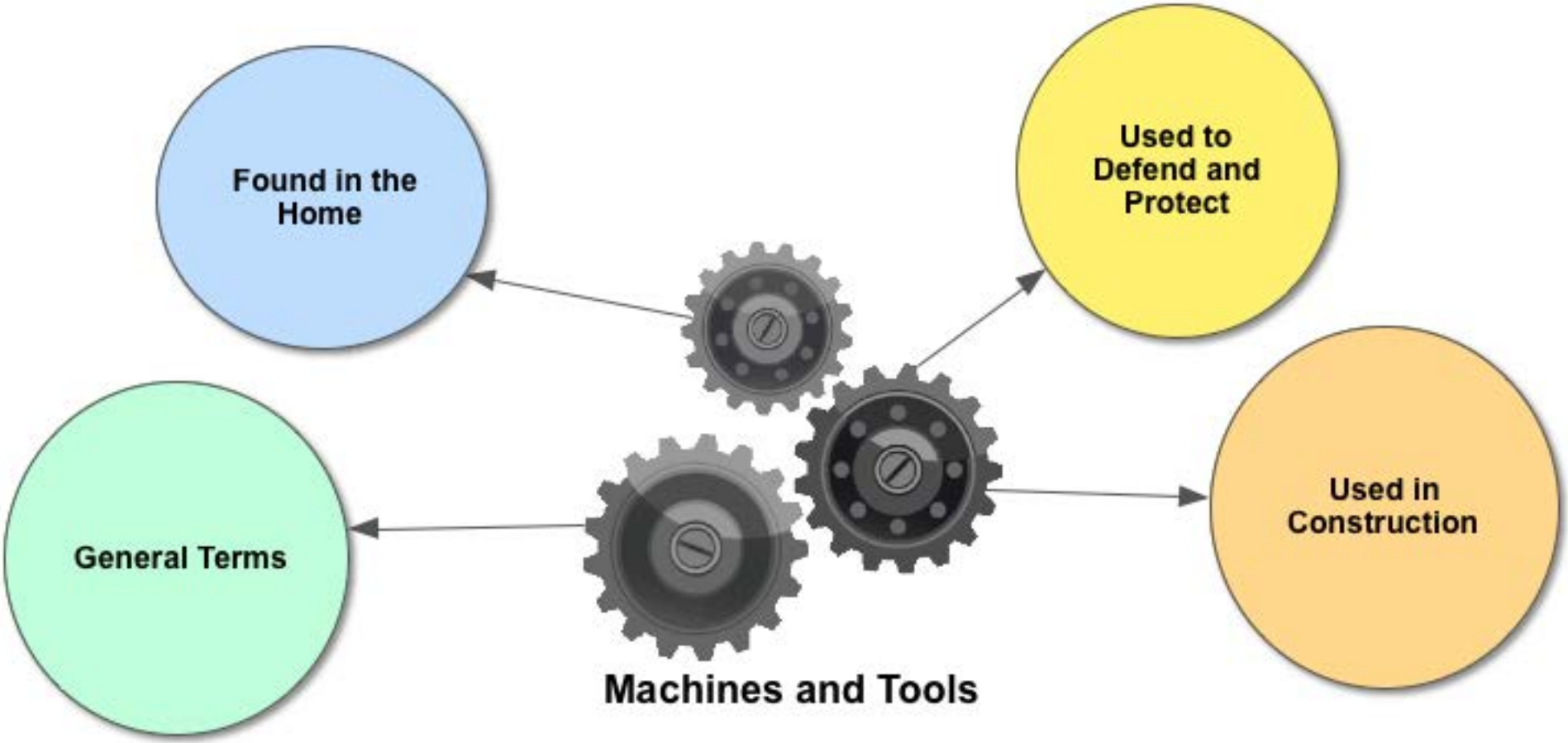
Machines and Tools

Everyday machines and tools make completing different tasks a little easier. There are lots of different kinds of tools and machines, from simple to complex tools. We have lots of words that describe what they are and what they do. We've sorted them into four groups.


Found in the Home
Used to Defend and Protect
General Terms
Used in Construction
Machines and Tools

General Terms About Machines and Tools

In our day to day lives we use many words to describe machines and tools. We have words to describe the different parts they are made of, the resources that power them, and words that describe what they do. These general terms are helpful when talking about machines and tools.

Parts of a Machine:
* engine
* motor
* gear

Resources That Power Complex Machines:
* fuel
* gas
* gasoline
* oil
* petroleum
* electricity^
* solar^
*wind^

General Terms to Describe Machines and Tools:
* machine
* device
* tool
* technology
* gadget^

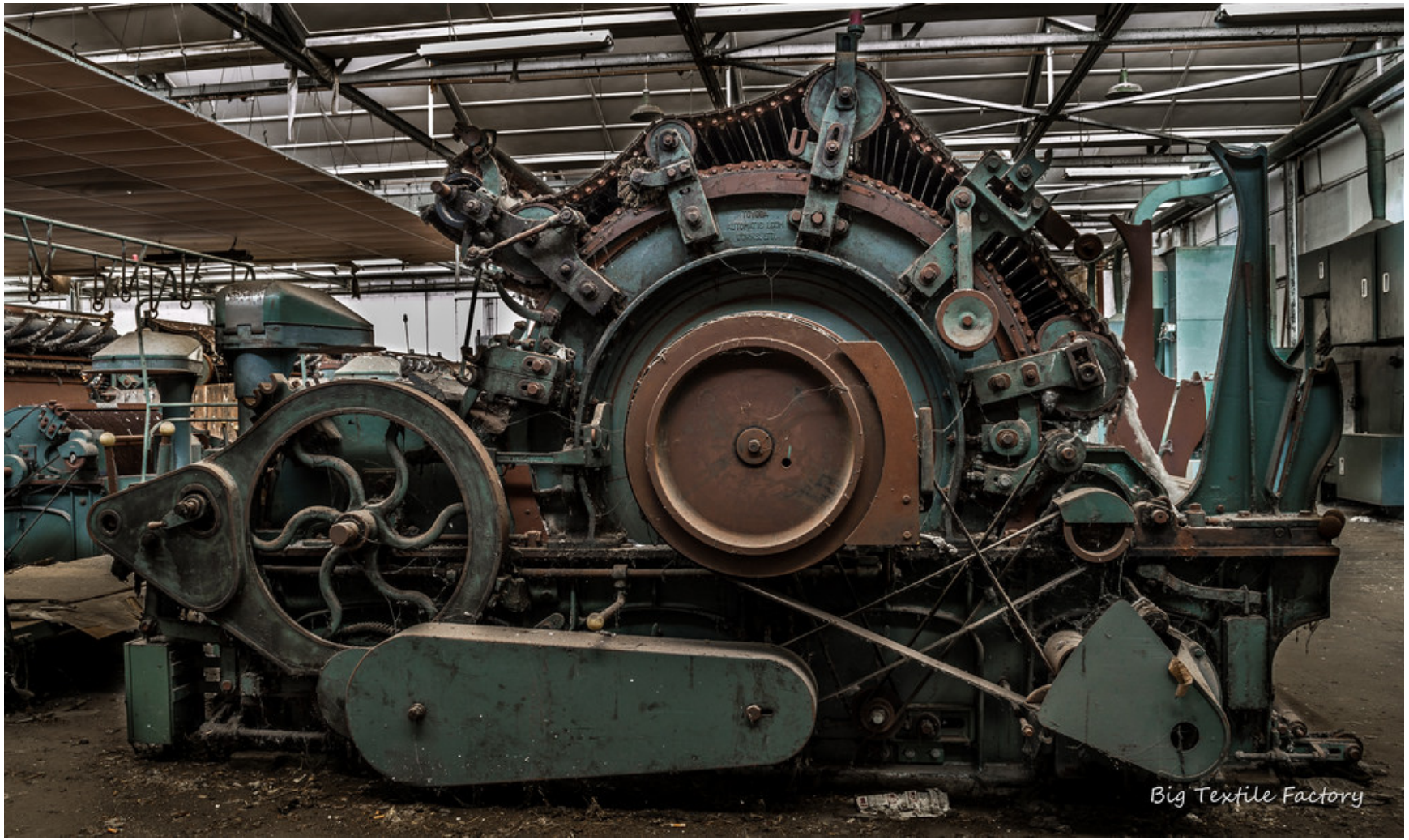
Words to Describe What Machines and Tools Do:
* equip
* aid
* layer
* scratch
* carve
* cut
* bury
* dig
* grip

Machines and Tools– General Terms

^ non core vocabulary words added to supplement concept

machine

(ma·chine)



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technology

(tech·nol·o·gy)

device

(de·vice)

gadget

(gad·get)

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tool

(tool)

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engine
(en·gine)

motor
(mo·tor)

Photo: V8 engine compartment in a 1966 Rambler. November, 2009. Released into public domain by Christopher Ziemnowicz in en:wikipedia.

gear
(gear)

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fuel

(fu·el)

Photo: A customer pumps gas at The Army and Air Force Exchange Service gas station at Vandenberg Air Force Base, August 2009. Photo released into public domain by author Airman 1st Class Andrew Lee.

gas
(gas)

gasoline
(gas·o·line)

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oil

(oil)

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petroleum

(pe·tro·leum)

Petroleum is found deep inside the Earth and is used to produce fuels including gasoline, kerosene, and diesel oil.

This machine is drilling into the Earth in order to find *Petroleum* .

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electricity

(elec·tric·i·ty)

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solar

(so·lar)

Solar panels are used to turn the sun's energy into useable power. Machines use this power to operate.

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wind
(wind)

Wind mills are used to turn *wind* into power. The power is then used by machines.

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equip

(equip)

Equip means to supply with the necessary items for a particular purpose.

Tools help *equip* people to make jobs easier.

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aid

(aid)

Machines help or *aid* people to make hard work easier.

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layer

(lay·er)

To *layer* something means that different levels are stacked on top of each other.

This compost is *layered*.

A pitch fork is a tool used to *layer* different materials.

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scratch

(scratch)

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carve

(carve)

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cut

(cut)

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bury

(bury)

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dig
(dig)

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grip

(grip)

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Machines and Tools—

Machines and Tools Found in the Home

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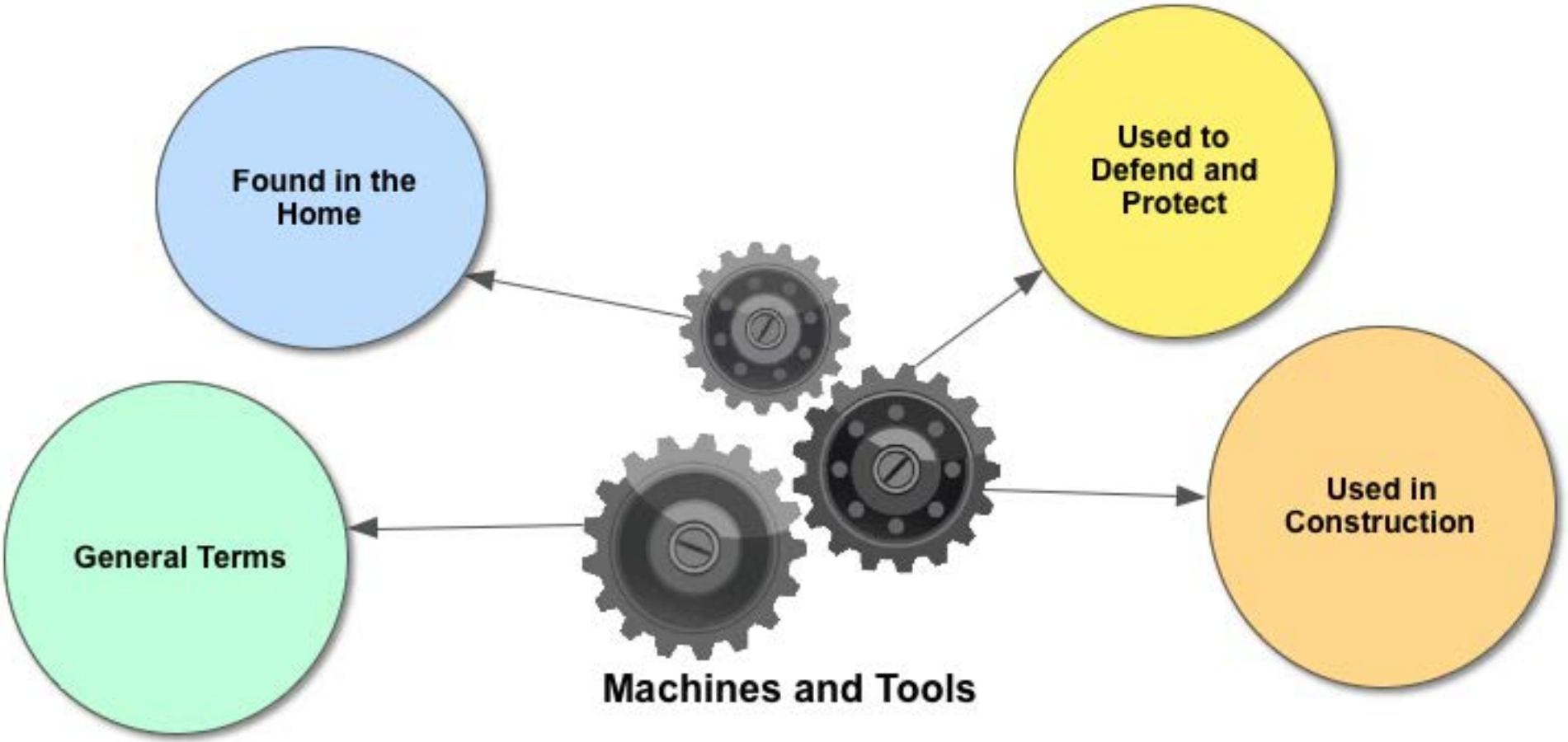
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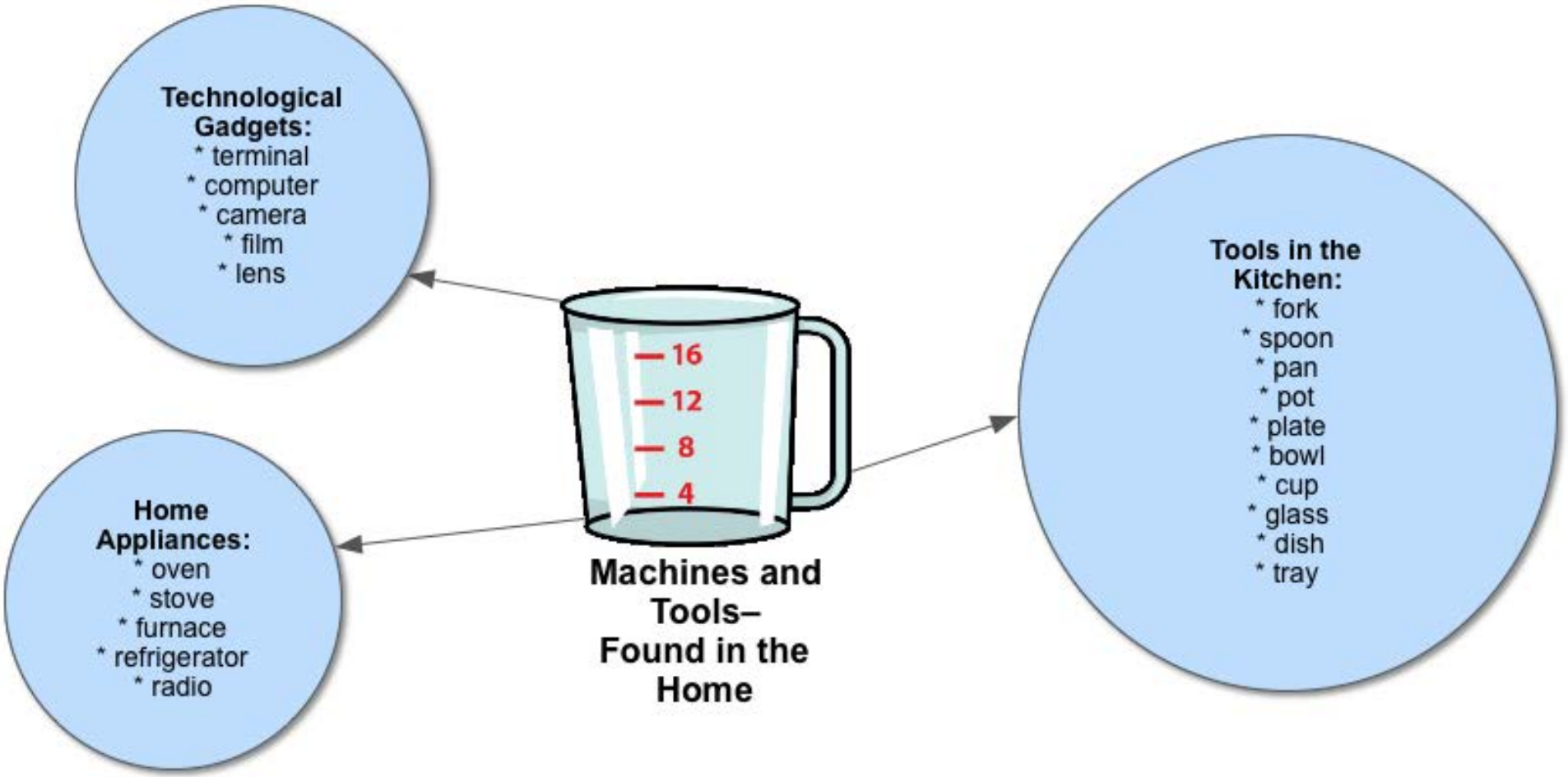
Machines and Tools Found in the Home

You may not realize it, but your home is filled with machines and tools that make doing everyday tasks easier. The appliances, kitchen utensils, and technological gadgets are all machines and tools in your home.


Technological Gadgets:
* terminal
* computer
* camera
* film
* lens
Home Appliances:
* oven
* stove
* furnace
* refrigerator
* radio
16
12
8
4
Machines and Tools– Found in the Home
Tools in the Kitchen:
* fork
* spoon
* pan
* pot
* plate
* bowl
* cup
* glass
* dish
* tray

oven

(ov·en)

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stove

(stove)

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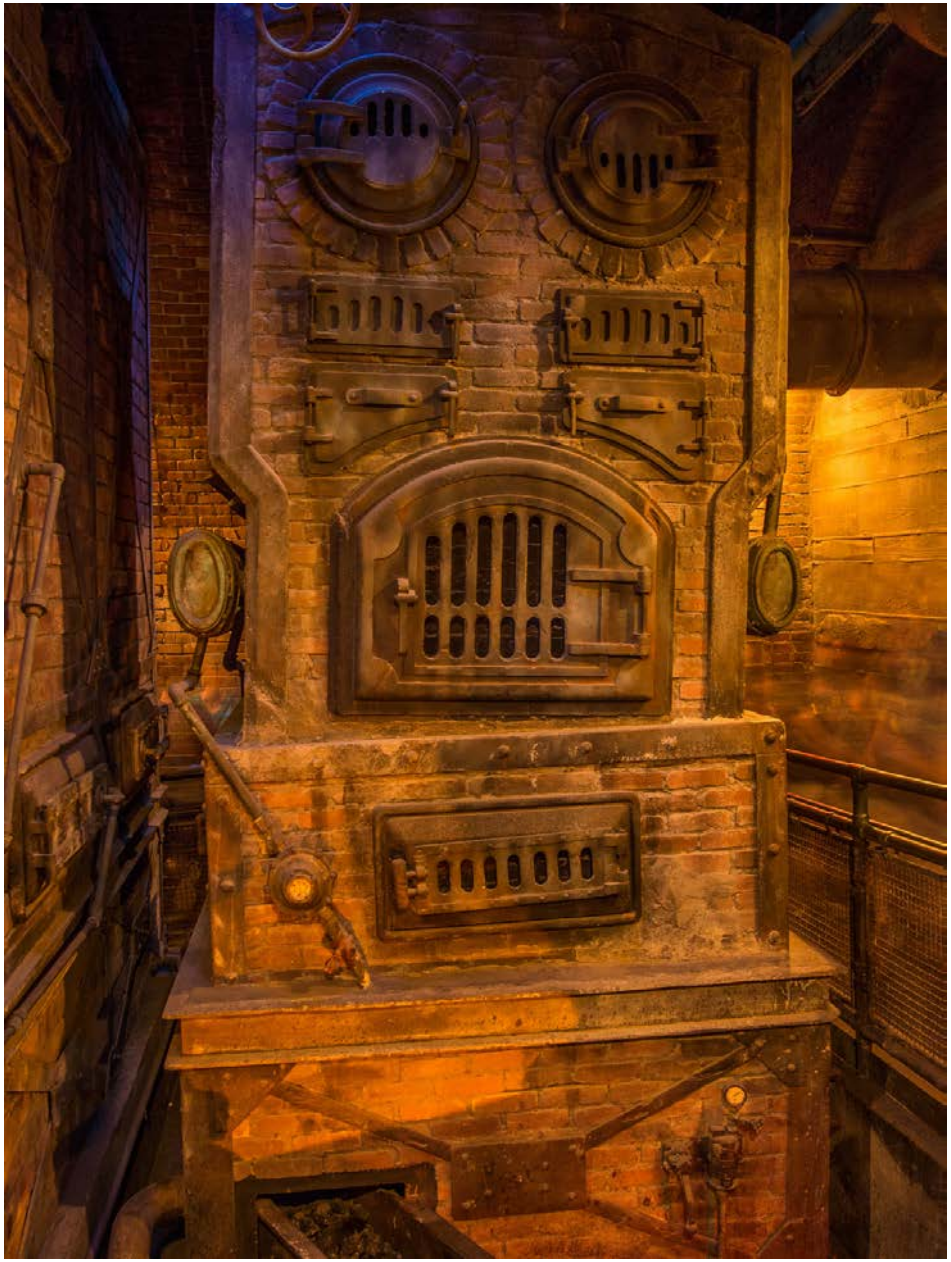

furnace

(fur·nace)

A *furnace* is an enclosed structure that makes heat to keep homes and buildings warm.

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refrigerator

(re·frig·er·a·tor)

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radio

(ra·dio)

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fork

(fork)

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spoon

(spoon)

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pan
(pan)

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pot

(pot)

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plate

(plate)

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bowl

(bowl)

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glass
(glass)

cup
(cup)

dish

(dish)

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tray
(tray)

A *tray* is used to hold and carry things.

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terminal

(ter·mi·nal)

A *terminal* is a device (as in a computer system) used for data entry and display.

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computer

(com·put·er)

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camera

(cam·era)

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lens
(lens)

camera lens

A *lens* is a clear curved piece of glass or plastic that is used to make things look bigger, smaller, or more in focus.

Cameras, telescopes, and eye glasses all have *lenses*.

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film

(film)

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Machines and Tools—

Machine and Tools Used to Defend and Protect

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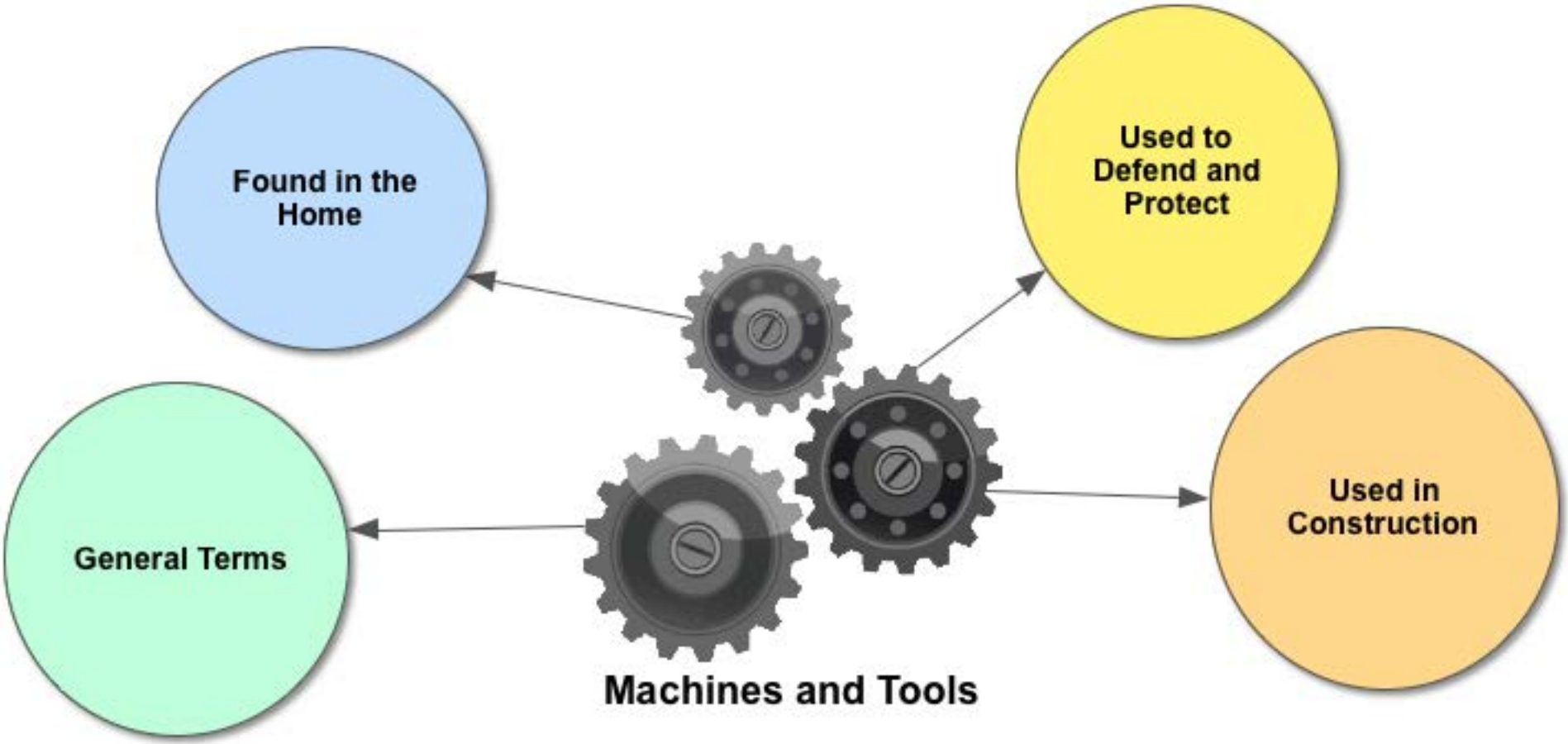
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Machines and Tools Used to Defend and Protect

There are many machines and tools used to defend and protect us in different situations. Different weapons, transportation, and medical equipment are all tools that people use to defend and protect us.

Transportation Used to Defend and Protect:
* jet
* tank^
* helicopter^

Machines Used in Medicine to Protect:
* microscope
* x-ray^

Machines and Tools– Used to Defend and Protect

Weapons Used to Defend and Protect:
* weapon
* bomb
* cannon
* gun
* rifle
* arrow
* bow
* whip
* knife
* sword
* blade

^ non core vocabulary words added to supplement concept

weapon

(weap·on)

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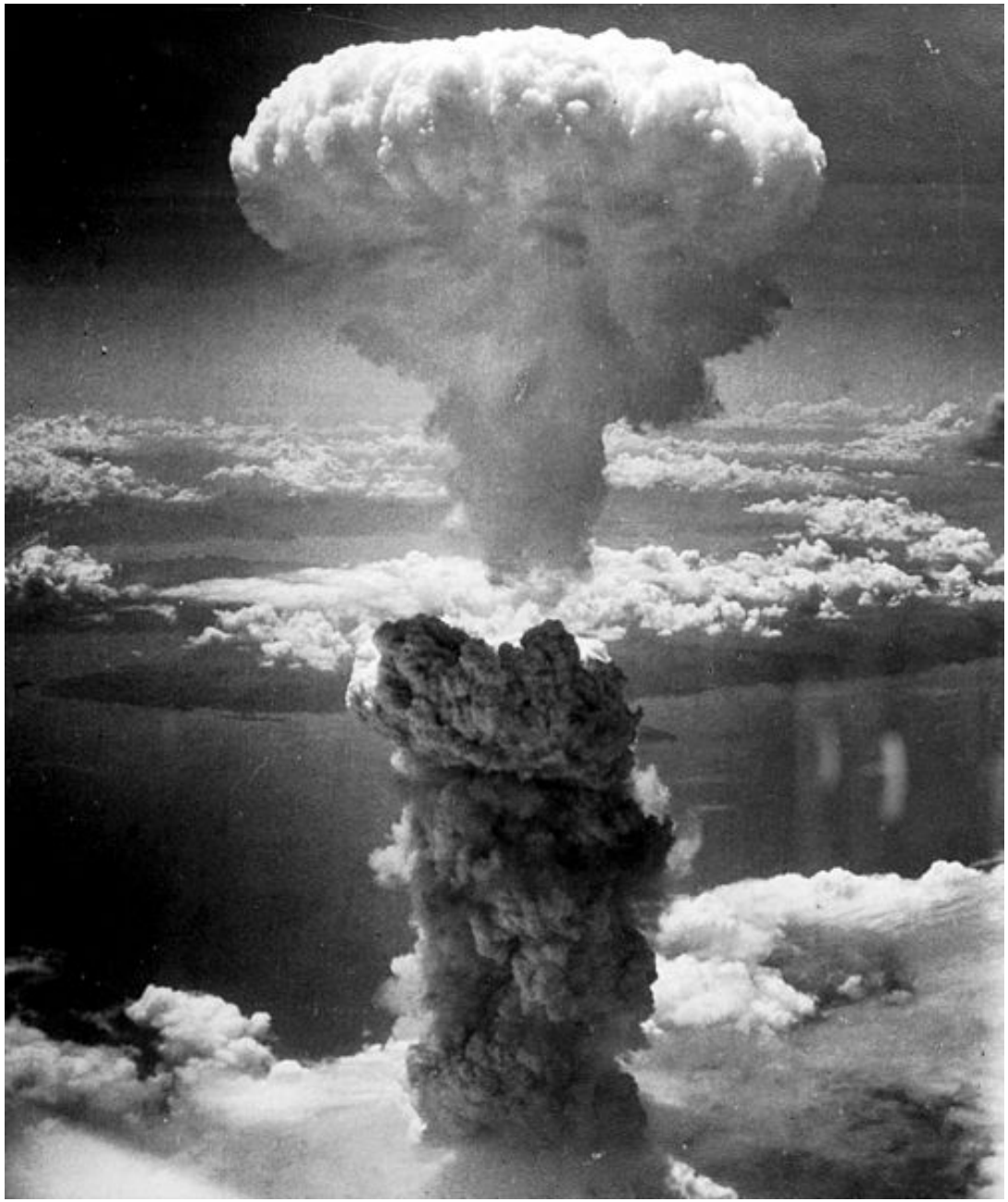

bomb

(bomb)

Photo: Atomic bomb. August, 1945. Taken by one of the B-29 Superfortresses used in the attack. Released into public domain the United States Air Force.

cannon

(can·non)

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gun
(gun)

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rifle

(ri·fle)

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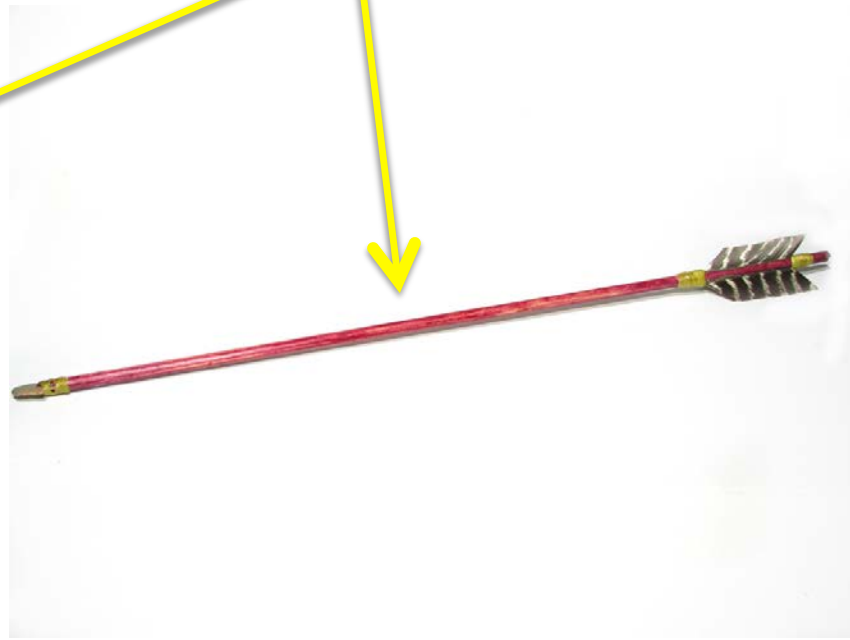
bow

(bow)

arrow

(ar·row)



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whip

(whip)

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knife

(knife)

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blade
(blade)

sword
(sword)

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jet
(jet)

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helicopter

(he·li·cop·ter)

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tank

(tank)

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microscope

(mi·cro·scope)

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x-ray

(x-ray)

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Machines and Tools—

Small Tools, Machines, and Items Used in Construction

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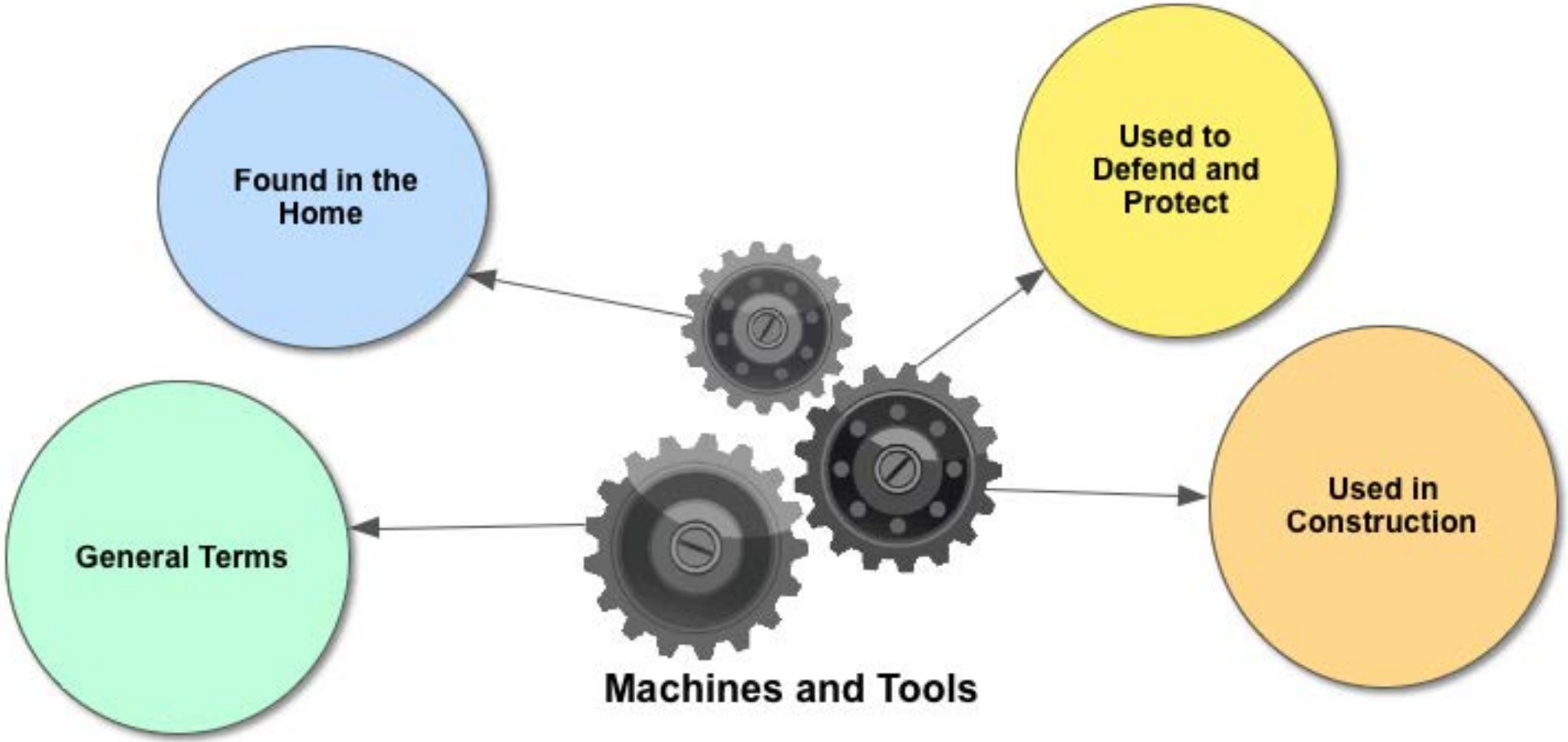
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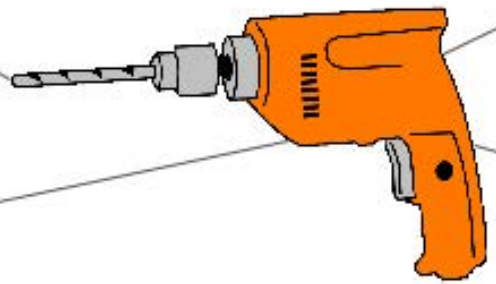
Machines and Tools

Small Tools, Machines, and Items Used in Construction

When people build things they use many different machines and tools. Some are big and some are small. Regardless of their size, these tools are all helpful in the construction of things.

Hardware:
* hook
* nail
* screw^
* needle
* pin
* key
* lock
* handle
* switch

Tools Used to Secure:
* chain
* cord
* rope
* string



Small Machines:
* drill
* hammer

Tools for Height and Stability:
* platform
* ladder

Machines and Tools– Used in Construction

^ non core vocabulary words added to supplement concept

drill

(drill)

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hammer

(ham·mer)

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hook

(hook)

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nail

(nail)

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screw

(screw)

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needle

(nee·dle)

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pin
(pin)

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key
(key)

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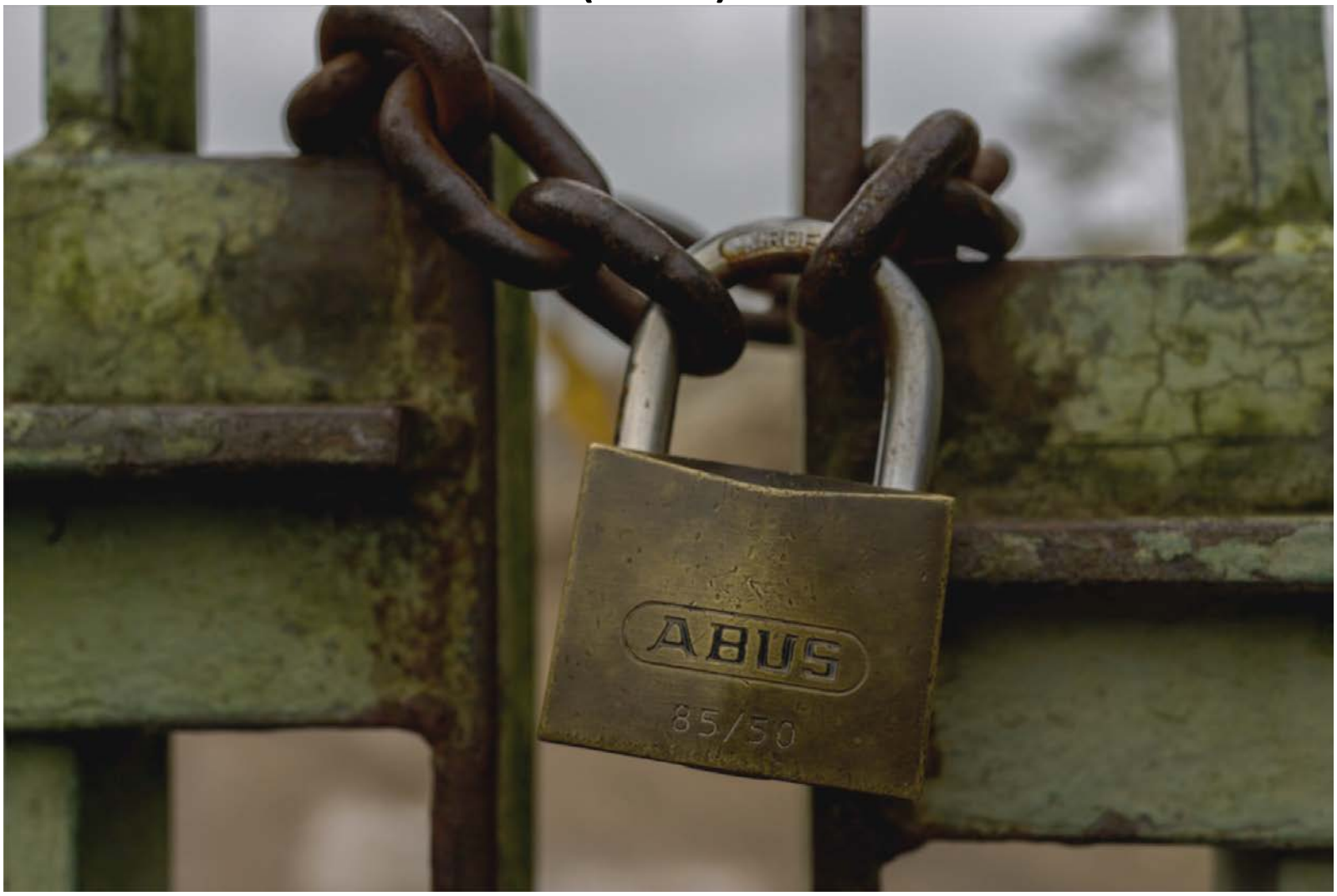
lock

(lock)



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handle

(han·dle)

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switch

(switch)

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chain

(chain)

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rope

(rope)

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cord

(cord)

Cord is a kind of material like rope that is used to tie things.

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string
(string)

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platform

(plat·form)

A *platform* is a level surface that is raised off of the ground.

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ladder

(lad·der)

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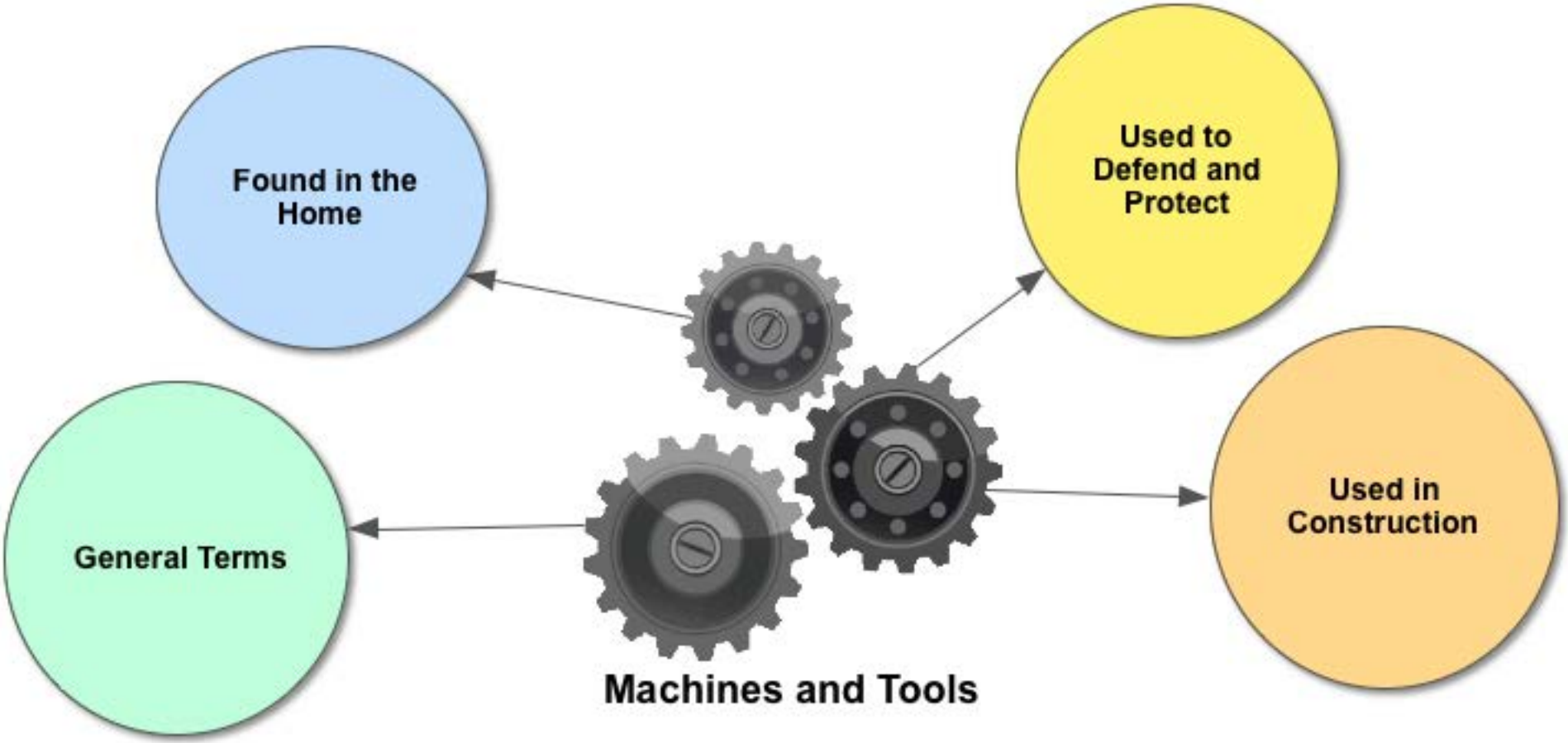
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* motor
* gear

Resources That Power Complex Machines:
* fuel
* gas
* gasoline
* oil
* petroleum
* electricity^
* solar^
*wind^

General Terms to Describe Machines and Tools:
* machine
* device
* tool
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Words to Describe What Machines and Tools Do:
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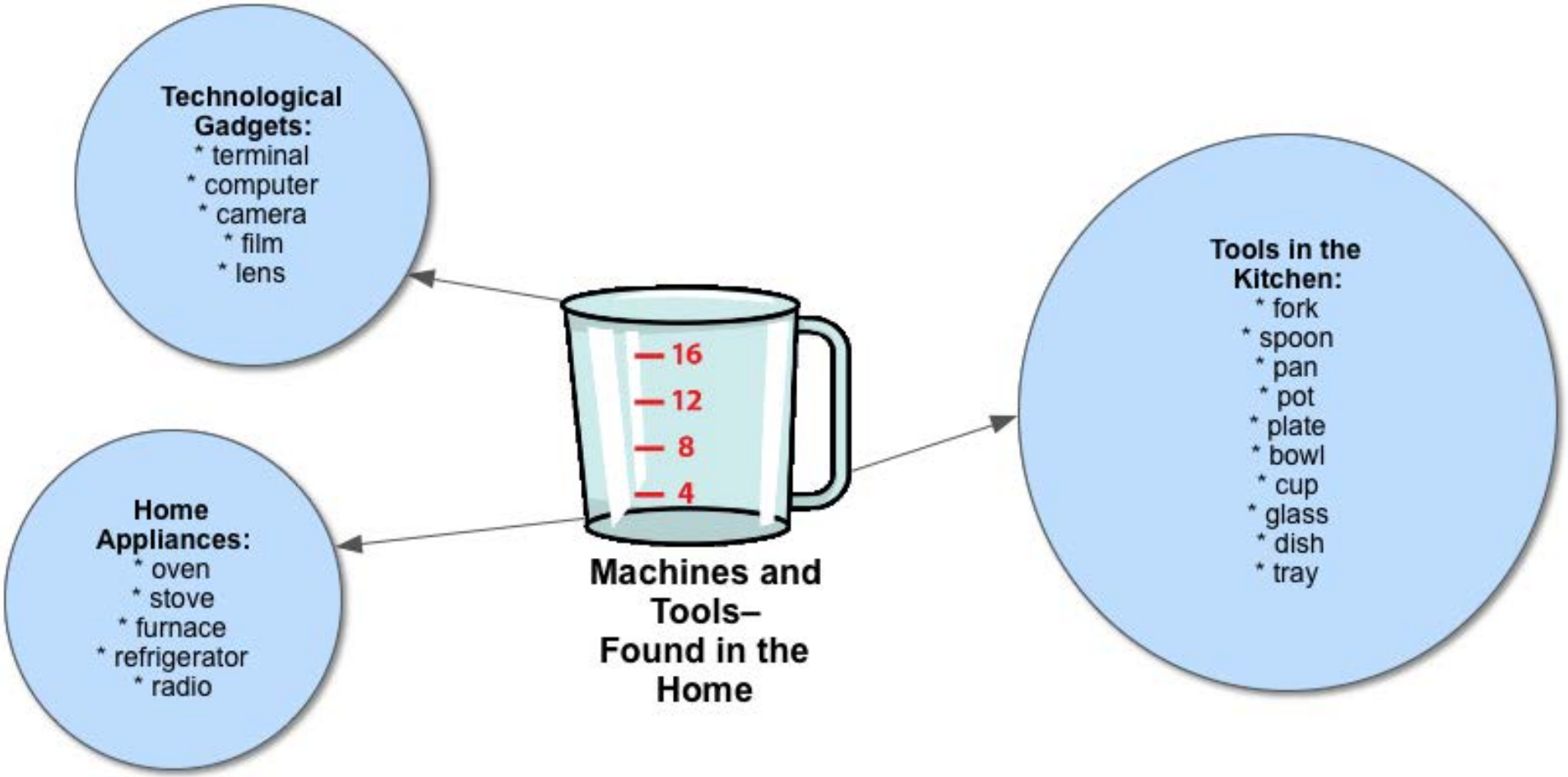
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* terminal
* computer
* camera
* film
* lens
Home Appliances:
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* stove
* furnace
* refrigerator
* radio
16
12
8
4
Machines and Tools– Found in the Home
Tools in the Kitchen:
* fork
* spoon
* pan
* pot
* plate
* bowl
* cup
* glass
* dish
* tray

Transportation Used to Defend and Protect:
* jet
* tank^
* helicopter^

Machines Used in Medicine to Protect:
* microscope
* x-ray^

Machines and Tools– Used to Defend and Protect

Weapons Used to Defend and Protect:
* weapon
* bomb
* cannon
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* sword
* blade

^ non core vocabulary words added to supplement concept

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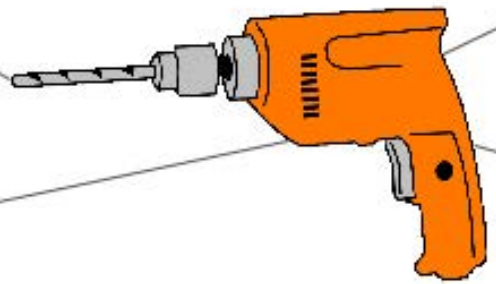

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* hammer

Tools for Height and Stability:
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* ladder

Machines and Tools– Used in Construction

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