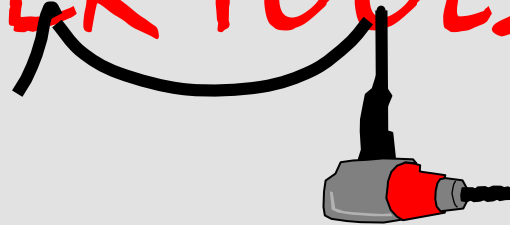


TRIZ POWER TOOLS



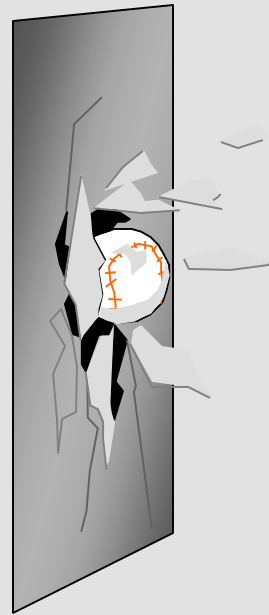
Function Writing Exercises

These Exercises begin with simpler functions and progress to "confusing functions". The rules to function writing are found in the appendix to "TRIZ Power Tools—Job #5 Resolving Problems"

Everyday Language

Functional Language

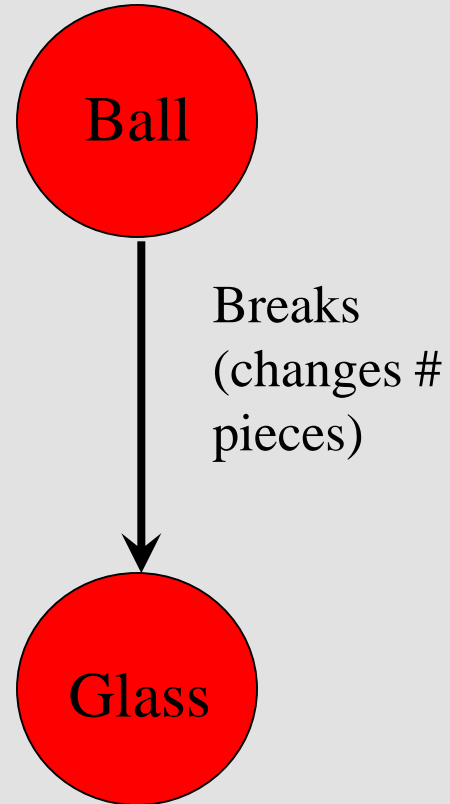
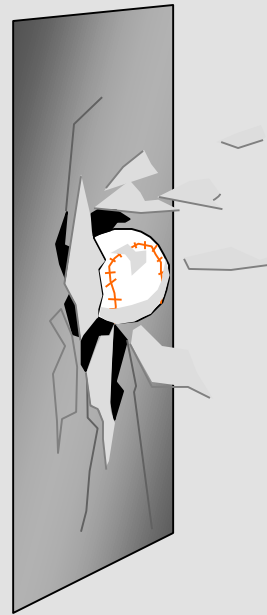
The Ball
Breaks the
Glass



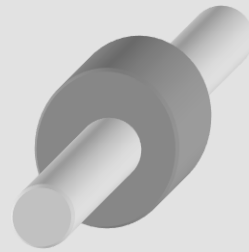
Everyday Language

Functional Language

The Ball
Breaks the
Glass



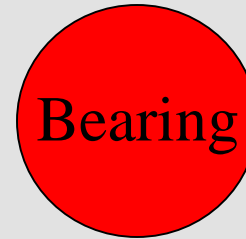
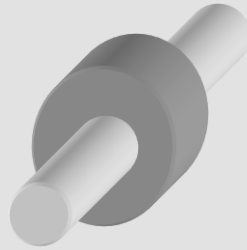
The bearing
holds the
rod



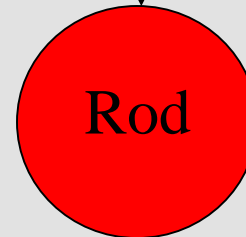
Everyday Language

Functional Language

The bearing
holds the
rod



Holds /
Constrains
(Controls
Position)



Everyday Language

Functional Language

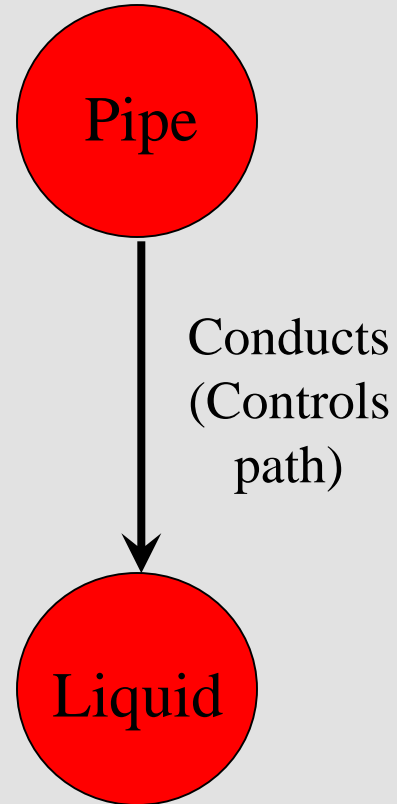
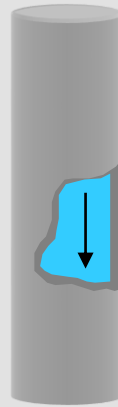
The pipe
conducts
the liquid



Everyday Language

Functional Language

The pipe
conducts
the liquid



Everyday Language

Functional Language

The wire
conducts
electricity

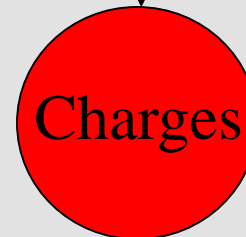
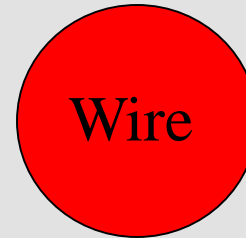



Everyday Language


Functional Language

The wire
conducts
electricity

Fuzzy Term



Conducts
(controls path)



Everyday Language

Functional Language

The cap
seals the
bottle

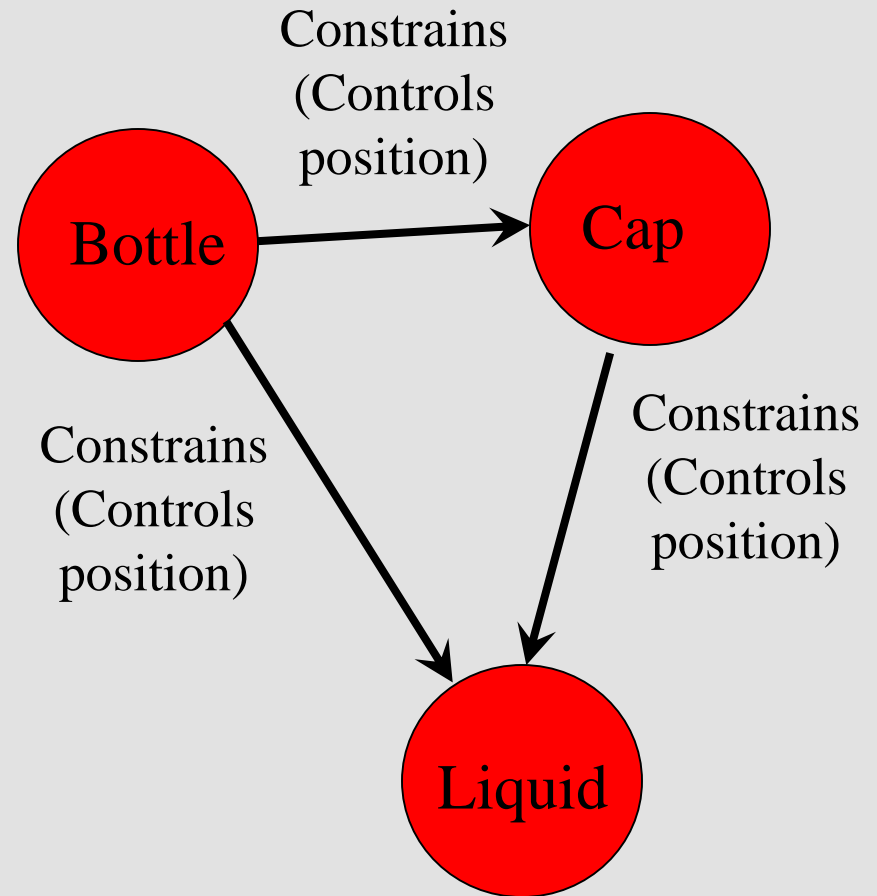


?

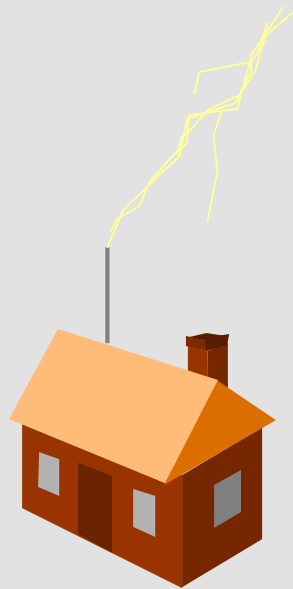
Everyday Language

Functional Language

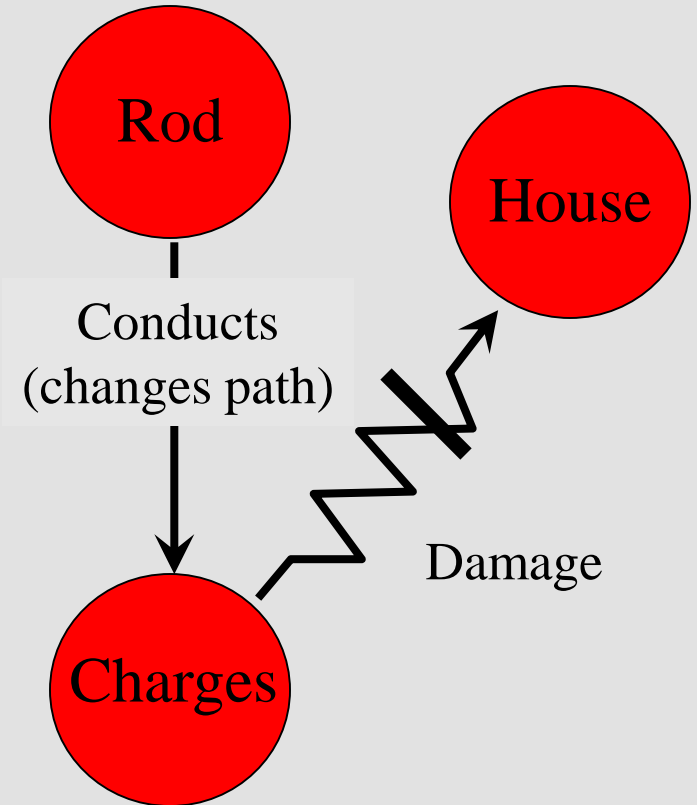
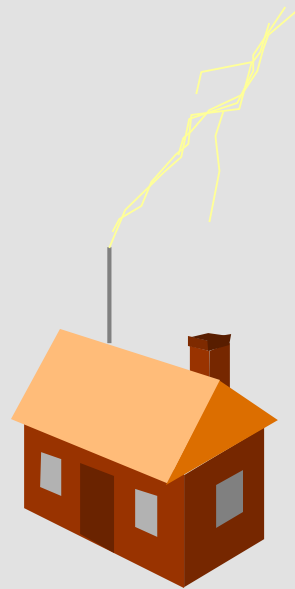
The cap
seals the
bottle



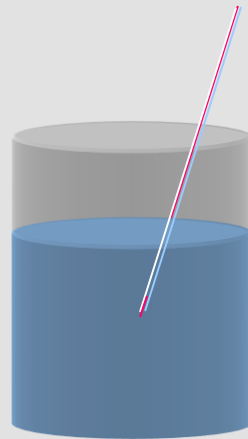
The
lightening
rod protects
the house



The lightning rod protects the house



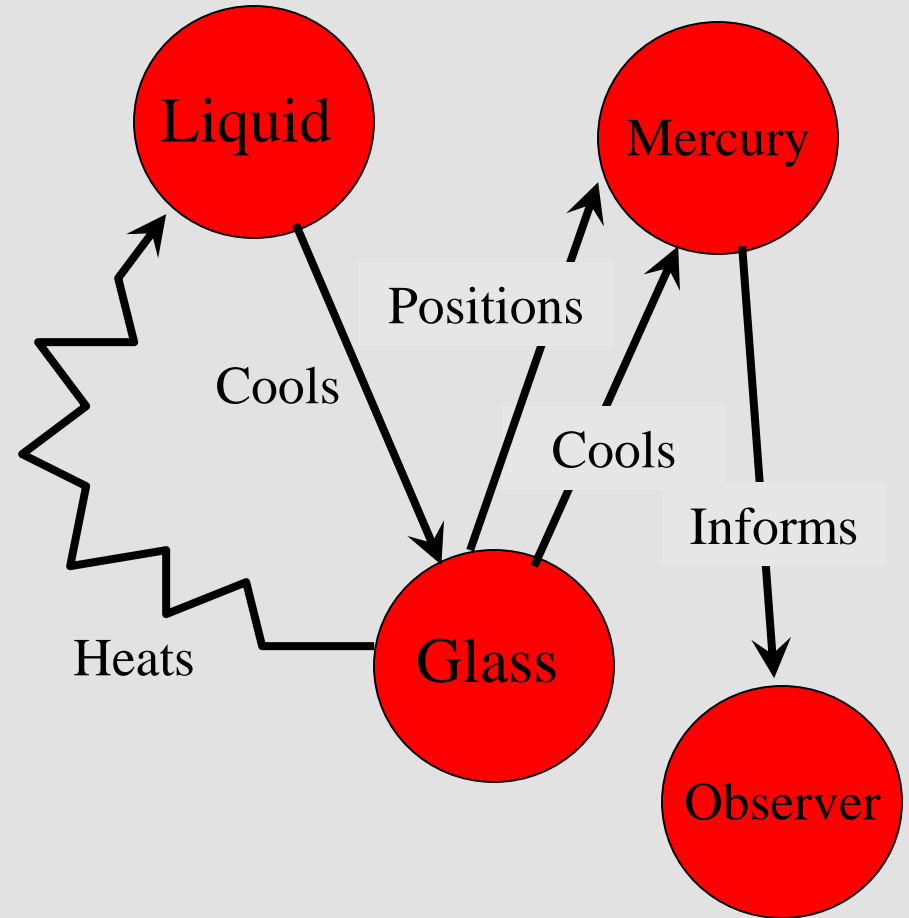
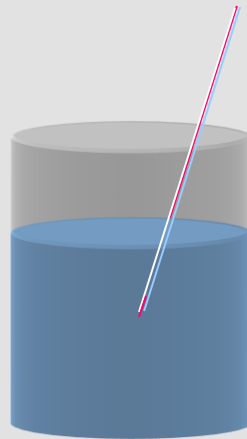
The
Thermometer
measures the
temperature



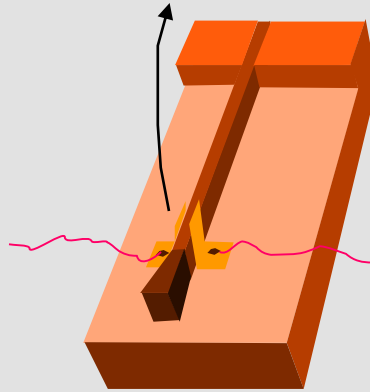
Everyday Language

Functional Language

The
Thermometer
measures the
temperature



The gold improves the reliability

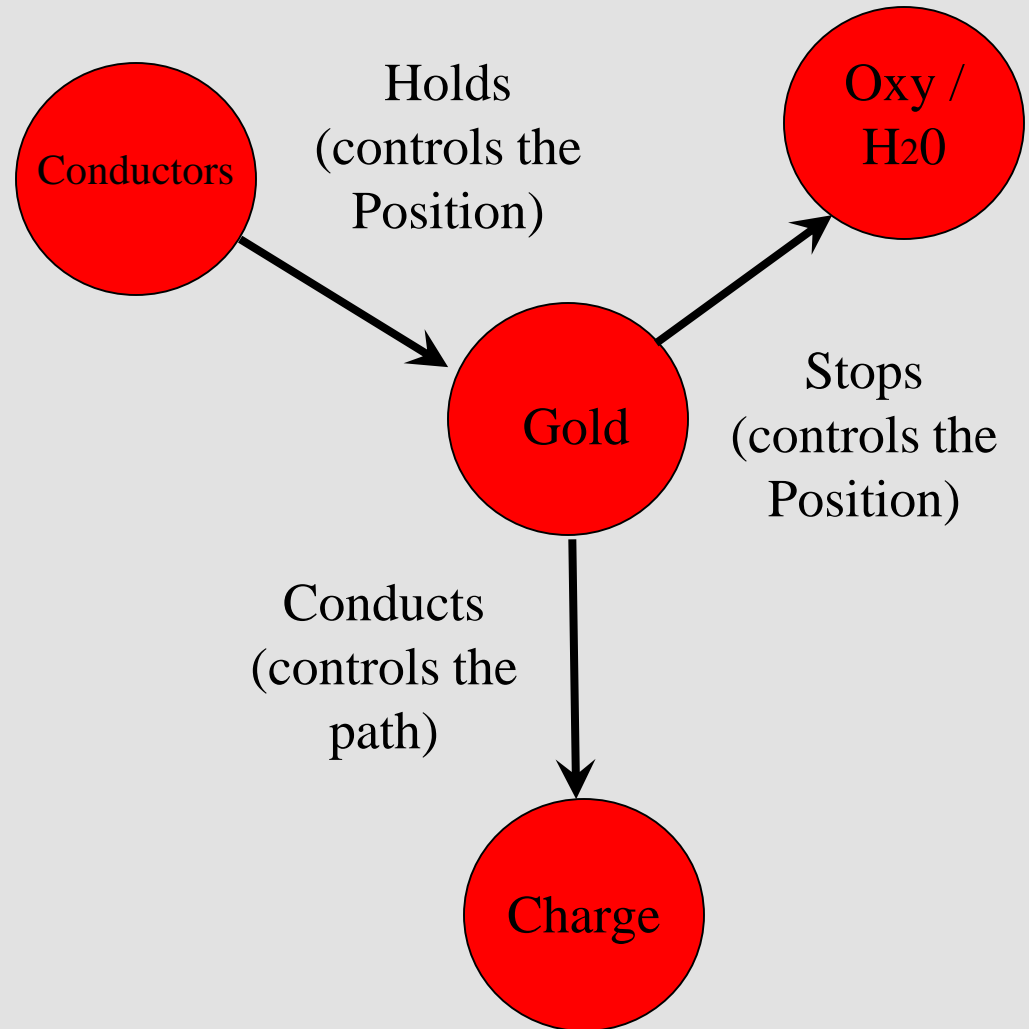
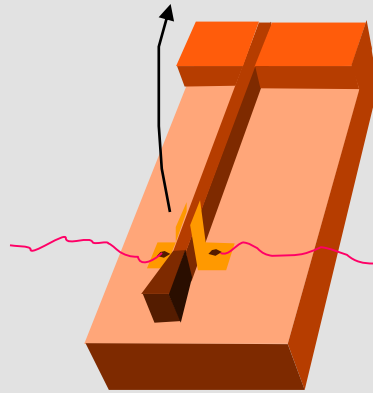


Shown is a sliding contact switch. Gold coats the switch arm and the contacts that stick up.

Everyday Language

Functional Language

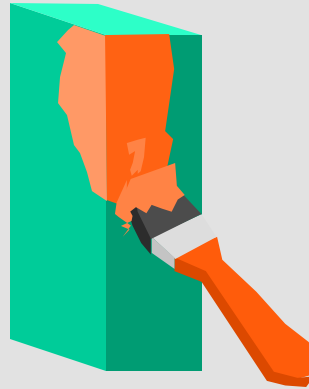
The gold improves the reliability



Everyday Language

Functional Language

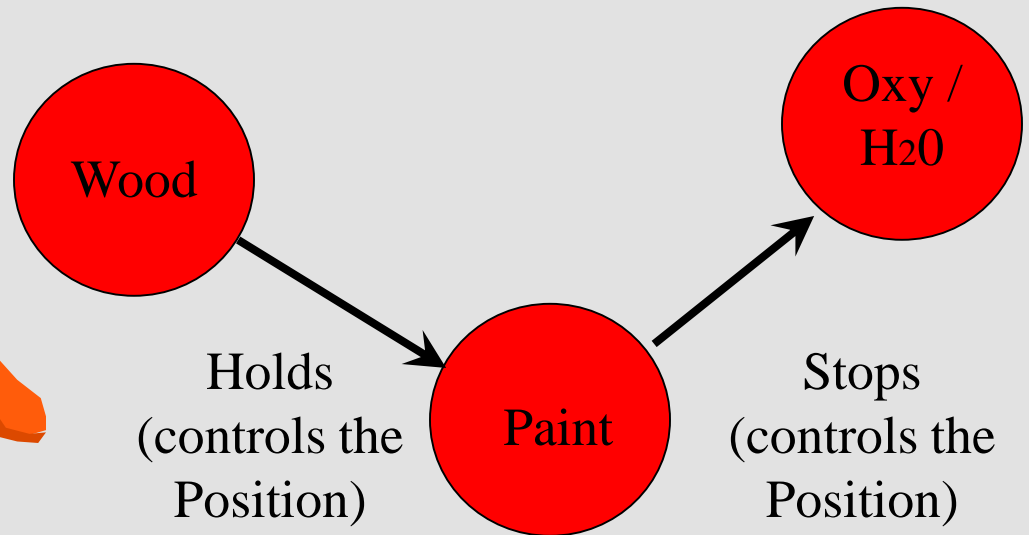
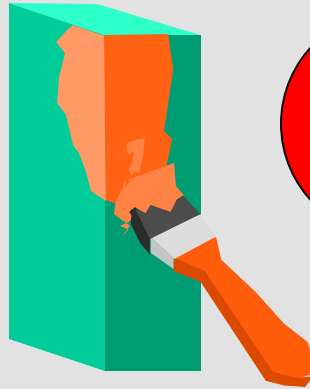
The paint
stops
deterioration



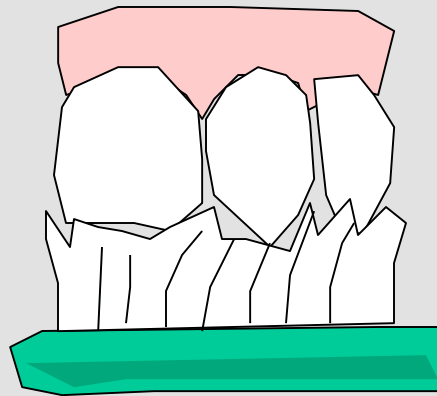
Everyday Language

Functional Language

The paint
stops
deterioration



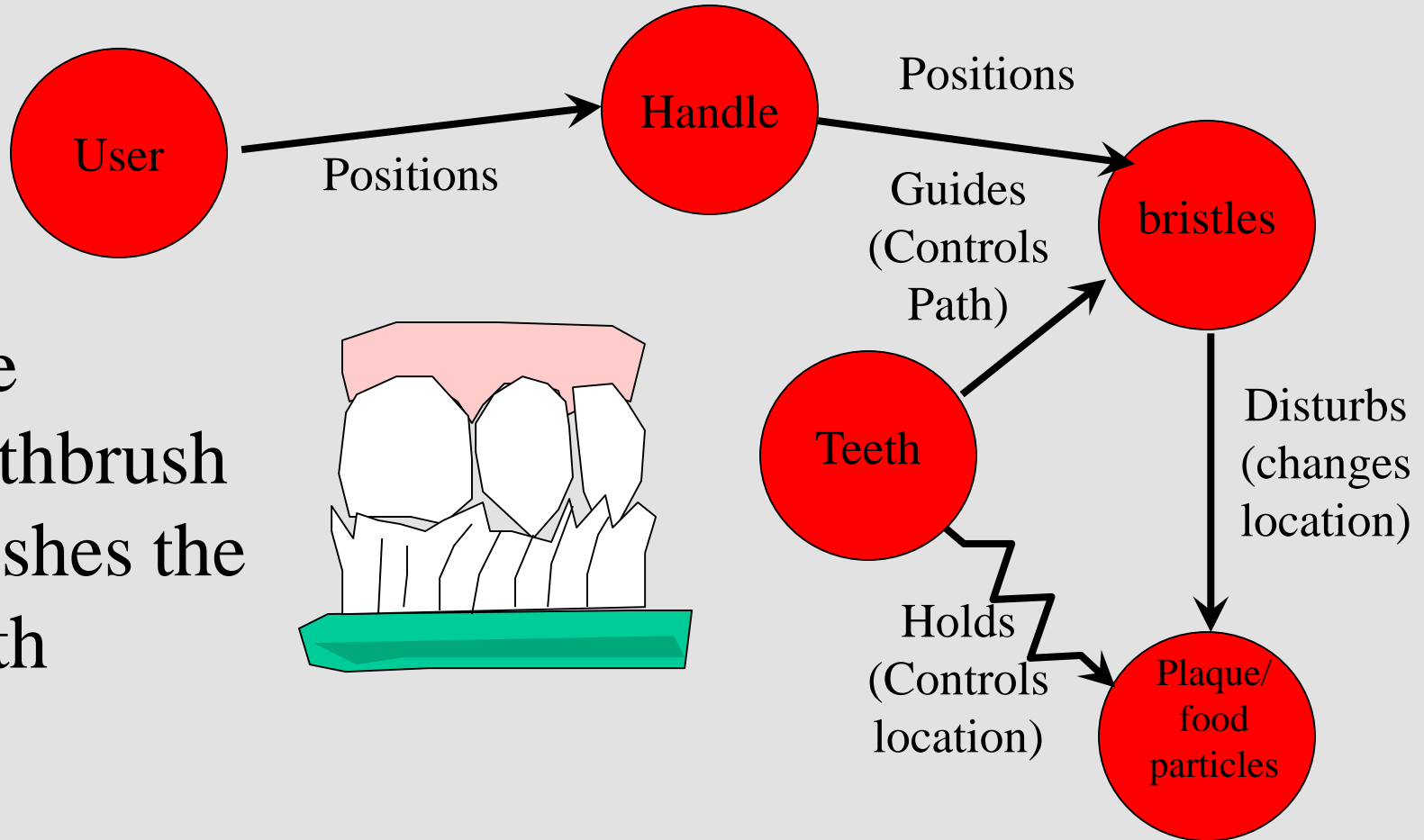
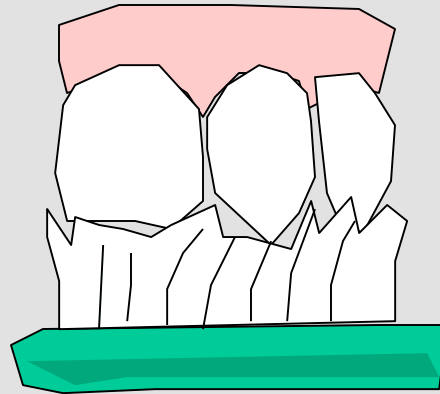
The
toothbrush
brushes the
teeth



Everyday Language

Functional Language

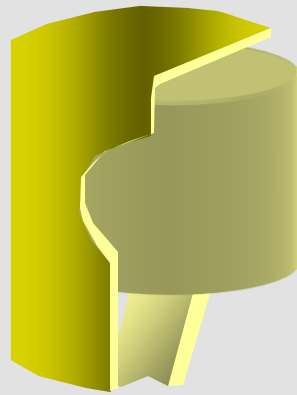
The toothbrush brushes the teeth



Everyday Language

Functional Language

The Oil
Lubricates
the piston



Everyday Language

Functional Language

The Oil
Lubricates
the piston

