



Affix Meanings

-scope	to see, observe
arthro-	joint
endo-	inside
gastro-	stomach
micro-	small
nepho-	clouds
ophthalmo-	eye
oto-	ear
peri-	around
tele-	distance

An affix is a part of a word that has a specific meaning.

Build the Word

Can you figure out what each of these observing tools are called?

Example: micro scope = tool to observe small things

_____ = tool to observe things a great distance away

_____ = tool to observe the health of ears

_____ = tool to observe the health of eyes

_____ = tool to observe properties of clouds

_____ = tool to observe the health of the stomach

_____ = tool to observe the health of joints

_____ = tool to observe the health of organs inside the body

_____ = tool to observe things around a barrier



Word Builders
Tools to See

Sort It Out

Use the affixes to explore different tools for observing.

Label each object as something that can be observed with a **microscope** or a **telescope**.

_____ <i>microscope</i> _____ bacteria	_____ moon
_____ salt crystals	_____ star clusters
_____ Jupiter	_____ skin cells
_____ grains of sand	_____ Andromeda galaxy

Each health condition can be diagnosed or treated using a medical tool. Write each condition in the correct box.

blurry vision	knee pain
ear infection	pink eye
fractured wrist	stomach cancer
hearing loss	stomach ulcers

arthroscope

ophthalmoscope

gastroscope

otoscope

example: ear infection

Match each observing tool to the person who uses it.

endoscope	submarine commander
periscope	weather forecaster
nephoscope	heart surgeon

Affix Expert

Can you think of another tool that is used to observe something? Give it a *-scope* name.



Word Builders

Tools to See

Answer Key

Build the Word

telescope = tool to observe things a great distance away

otoscope = tool to observe the health of ears

ophthalmoscope = tool to observe the health of eyes

nephoscope = tool to observe properties of clouds

gastroscope = tool to observe the health of the stomach

arthroscope = tool to observe the health of joints

endoscope = tool to observe the health of organs inside the body

periscope = tool to observe things around a barrier

Sort It Out

microscope – salt crystals, grains of sand, skin cells

telescope – Jupiter, moon, star clusters, Andromeda galaxy

arthroscope – fractured wrist, knee pain

gastroscope – stomach cancer, stomach ulcers

ophthalmoscope – blurry vision, pink eye

otoscope – hearing loss

endoscope – heart surgeon

periscope – submarine commander

nephoscope – weather forecaster