

## Vocab Challenge Cards for Station 5

EYEPIECE

This part allows you to view the image on the stage and contains the ocular lens.

NOSEPIECE

This part holds the objective lenses and is able to rotate to change magnification.

OBJECTIVE LENSES

These are found on the nosepiece and range from low to high power.

STAGE CLIPS

These are used to hold a slide in place on the stage.

LIGHT SOURCE

Projects light upwards through the diaphragm to allow you to see the specimen.

**NOTE for the Vocab Cards:** If you would like the cards to be “self checking”, code the back of the cards with the same letter or number. Students can check the matches easily by comparing the backs of the cards. Be sure to inform the kids that “no peeking” is allowed and all cards must be face up at the start of a game.

*T. Trimpe 2003 <http://sciencespot.net/>*

**Vocab Challenge Cards for Station 5 (cont'd)**

**ARM**

This part on the side of the microscope is used to support it when it is carried.

**COARSE ADJUSTMENT  
KNOB**

This part moves the stage up and down to help you get the specimen into view.

**FINE ADJUSTMENT  
KNOB**

This part moves the stage slightly to help you sharpen or “fine” tune your view of the specimen.

**DIAPHRAGM**

This part of the microscope helps you adjust the amount of light that reaches the specimen

**BASE**

The bottom part of the microscope.

**Vocab Challenge Cards for Station 5 (cont'd) + Labels for Microscope Diagram**

STAGE	Part of the microscope that supports the slide that is being viewed
COVER SLIP	Name for the small plastic or glass piece that is used to cover a water drop on a slide.
SLIDE	Small glass plate on which specimen are placed for viewing
POWER	Refers to the degree of magnification for a lens

BASE

STAGE

LIGHT SOURCE

STAGE CLIPS

DIAPHRAGM

**Station 5  
Labels for  
Parts & Pieces game**

COARSE  
ADJUSTMENT KNOB

FINE  
ADJUSTMENT KNOB

EYEPIECE  
(OCULAR LENS)

NOSEPIECE

ARM

OBJECTIVE  
LENSES



# Parts & Pieces Challenge

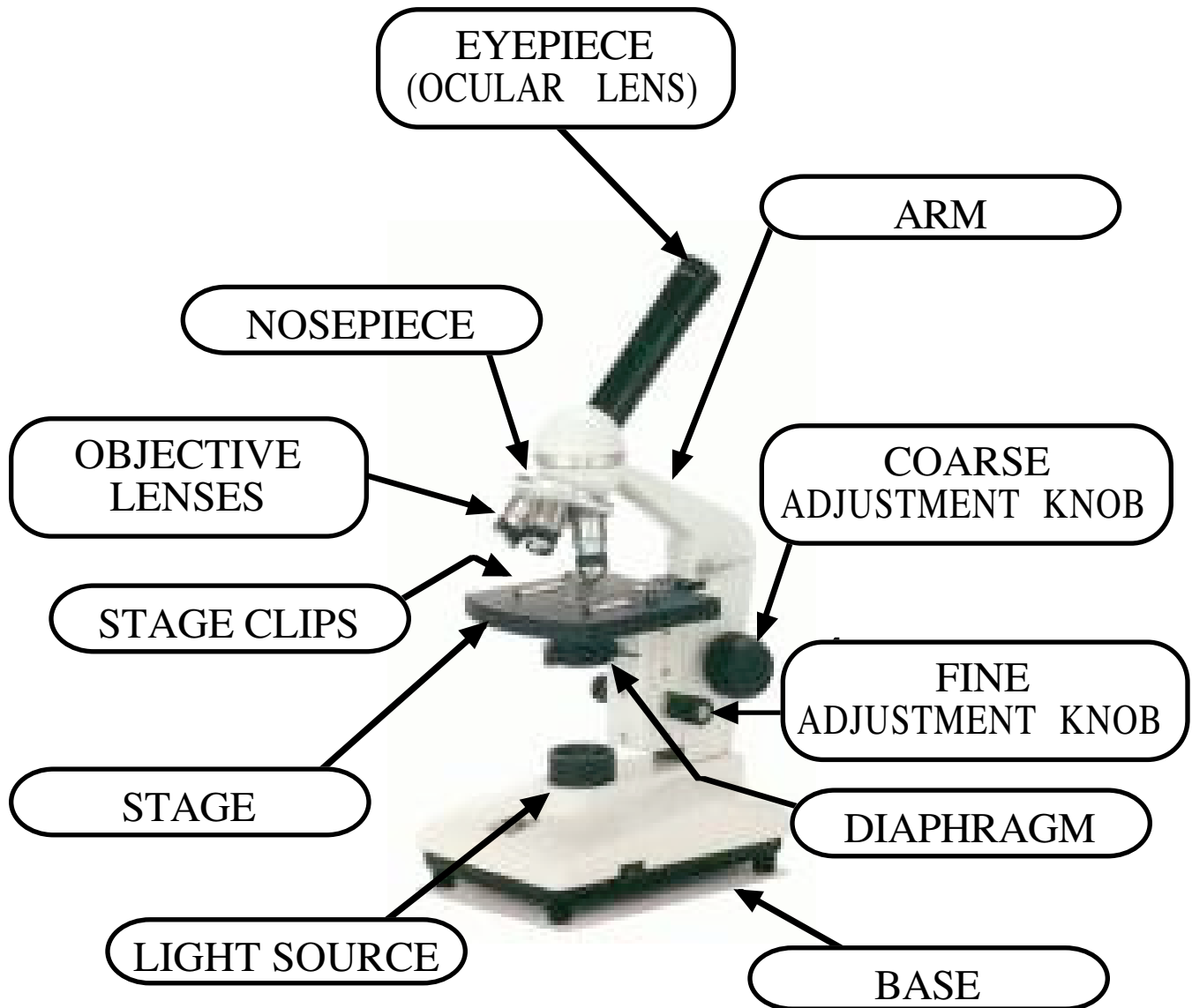
Use the pieces provided to label the diagram.  
What is your best time?





# Microscope Mania

## Parts & Pieces Challenge Answer Key



**Extra time?** Work on your puzzles or study for your microscope quiz!