

Microscope Lab: Asexual Reproduction

/15

Name:

Date:

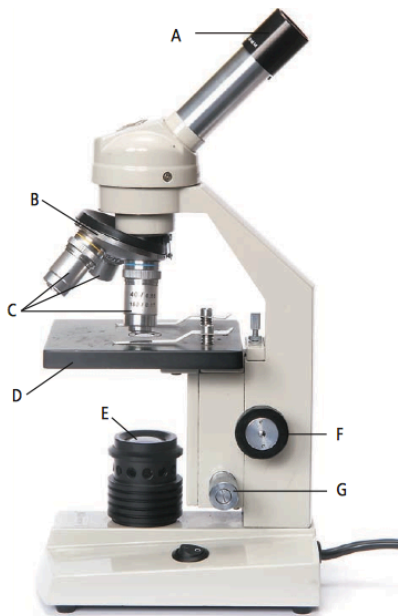
Block:

Question:

How do some forms of reproduction look under the microscope?

Background:

Label the parts of the microscope below:



A:

B:

C:

D:

E:

F:

G:

Magnification:

degree of visual _____ of an observed object.

What are the magnifications we will be using today? _____

Carrying a Microscope

One hand on the _____, one hand under the _____

Microscope Care

Which focus knob do you use when on high magnification? _____

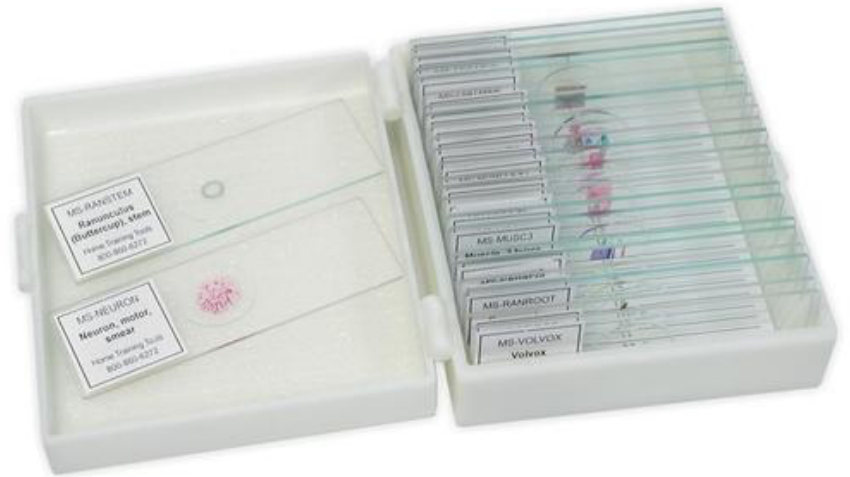
How do you unplug a microscope? _____

Microscope slides

They are made of glass so be careful when handling them

Watch out for the edges! They are sharp

Please only _____, do not hold them where the specimen is



Safety

If you drop and break a microscope slide, _____ touch the _____!

Get a broom and dustpan and sweep it up

Inform the teacher and dispose of the slide into the broken glass bucket

Materials:

- Microscope

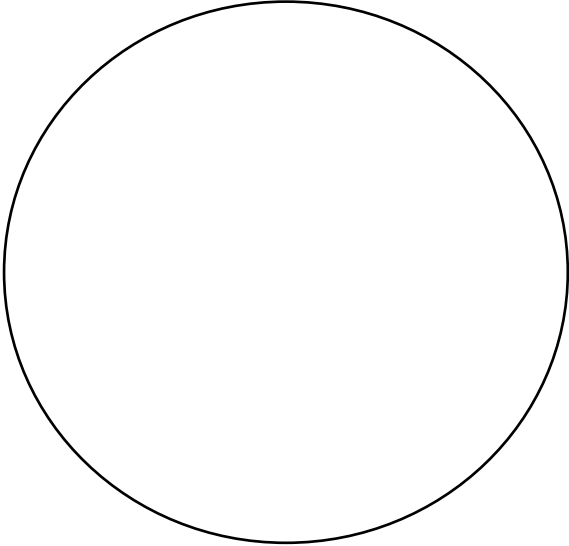
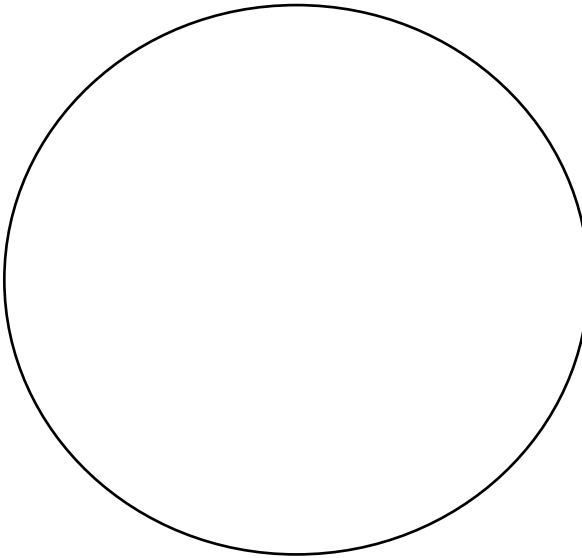
Slide Options:

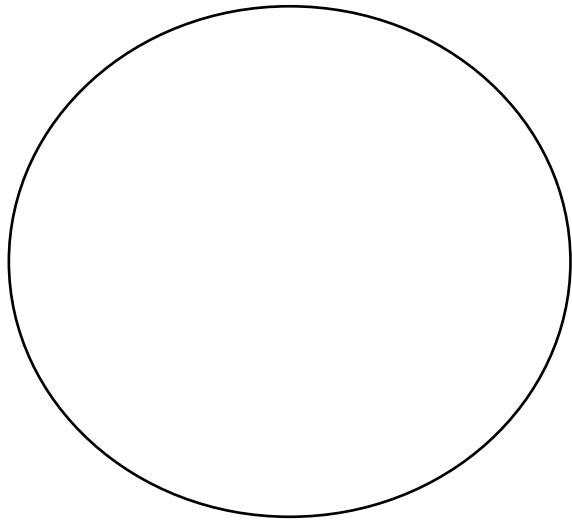
- Yeast budding
- Coprinus (mushroom)
- Planaria (flatworm)
- Bacteria
- Molds
- Fern sporangia
- Hydra with bud

Procedure:

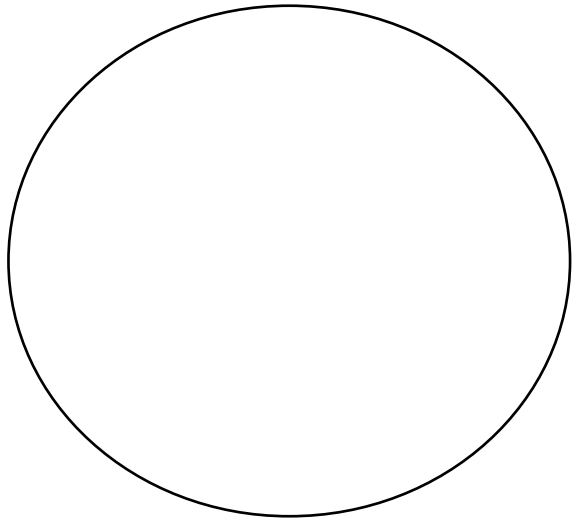
1. Plug in your microscope and turn on the light
2. Turn the revolving nosepiece so that it is on **medium (10x)**
3. Pick your first slide (you do not have to go in order)
4. Place the slide on your stage and secure it with the stage clips
5. Use the coarse focus knob to bring the slide into focus
6. Move the slide around so you are looking at the correct specimen
7. Turn the revolving nose piece so that it is on **high (40x)**
8. Use the fine focus knob to further bring your slide into focus
9. Sketch what you see, indicating which magnification you are sketching on
10. Return your slide and pick your next slide. Repeat steps 4-9!

Data/Observations:

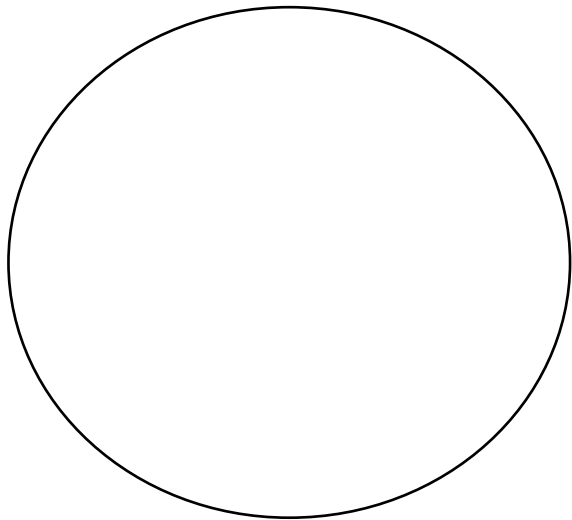
What organism are you viewing?	A drawing of what you see through the microscope <i>(1 mark each)</i>	1. What type of reproduction is it? (binary fission, budding, spores, fragmentation, or vegetative propagation) 2. Describe how they reproduce <i>(2 marks each)</i>
	 Magnification: _____	
	 Magnification: _____	



Magnification: _____



Magnification: _____



Magnification: _____