

MICROSCOPE MONDAY

A free teacher appreciation printable from LearnEd Notebooks



www.learnednotebooks.com

Follow us on Facebook, Instagram and Pinterest to register for our giveaway

Teacher preparation: Students will work in groups to observe characteristics and use reasoning to identify different specimens under a microscope. Select ten different everyday items for your students to examine.

You may use the following list as guidance or select other items of your choice. Sample List: onion skin, feathers, fabric, mold, salt, sand, pond water, hair root, money, insect parts, etc.

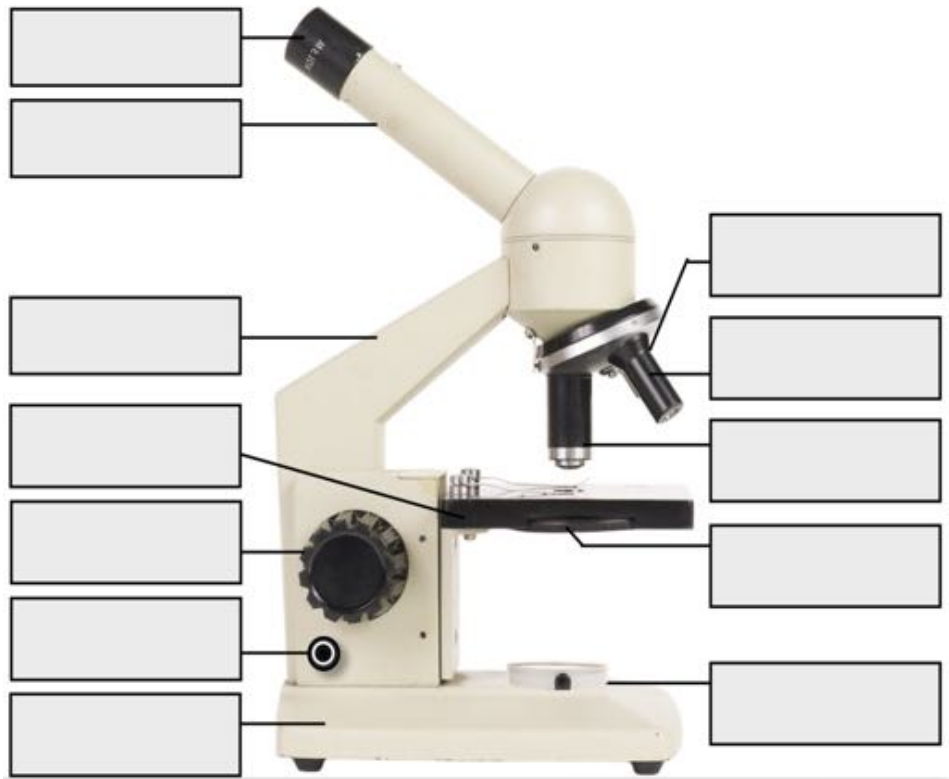
Name: _____

Date: _____

The Compound Light Microscope

learnednotebooks.com

The microscope was one of the most revolutionary inventions in the history of science. It opened doors for scientists to study our world in ways that had never been done before. The field of microscopy still continues to evolve today. In your science classroom, you most likely have access to a compound light microscope (pictured). These microscopes can easily magnify a scientific specimen for you to study it in much greater detail. Today you will be examining ten different "mystery specimens" to examine characteristics that you cannot see without the aid of a microscope.



1. In order to work with a microscope, you must understand how to use, handle and store a microscope. Provide a brief description of proper microscope-handling and focusing techniques. Note: Do not complete this activity without proper training from your teacher. For lower grade levels, teachers may focus the microscopes in advance.

2. Label the parts of the compound light microscope above.

3. Use the chart below to identify each of the ten specimens that your teacher has prepared for you. Work with a group to record characteristics that can be clearly seen under the microscope and predict the identity of each specimen.

Specimen	Observations	Prediction	Identity
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

4. Were your predictions accurate? What clues were you able to use to form your predictions?

5. Research a breakthrough in the field of microscopy and describe its impact on the modern world of science. How do scientists use microscope technology to better understand the world around us?