

FULL Name: _____

Date: _____

Homeroom Teacher: _____

Grade: _____

Dry Mount Slides - Microscope Lab #2

Purpose (Focus): _____

Materials:

1. Microscope
2. Slides and cover slips
3. Tweezers
4. Threads from different fabrics
5. Other samples
6. Pencil

Procedure

1. Choose a few strands of thread from the fabric samples provided.
2. Place the threads at the centre of a clean, dry slide.
3. Hold a cover slip very carefully by its edges, and gently place it over the threads.
4. View the threads under the microscope using the medium-power lens.
5. Complete the observations and description chart for 4 of the samples.
6. With your teacher's permission, make dry mount slides of other samples, such as hair or salt.
7. Wash your hands thoroughly and hand in your lab sheet.

Observations: Complete the chart on reverse and hand it in at the end for the class for marking.

	Level 1	Level 2	Level 3	Level 4
Thinking and Investigation				
(8s6)	- uses critical/creative thinking processes, skills, and strategies with limited effectiveness - with much assistance follows established safety procedures for investigating ecosystems	- uses critical/creative thinking processes, skills, and strategies with some effectiveness - with some assistance follows established safety procedures for investigating ecosystems	- uses critical/creative thinking processes, skills, and strategies with considerable effectiveness - with no assistance follows established safety procedures for investigating ecosystems	- uses critical/creative thinking processes, skills, and strategies with a high degree of effectiveness - with no assistance follows established safety procedures for investigating ecosystems
Communication				
(8s11)	- Student expresses and organizes ideas and information using a variety of forms with limited effectiveness	- Student expresses and organizes ideas and information using a variety of forms with some effectiveness	- Student expresses and organizes ideas and information using a variety of forms with considerable effectiveness	- Student expresses and organizes ideas and information using a variety of forms with a high degree of effectiveness
	- Few details are present OR most details are difficult to identify.	- Some details have been added. A few details are difficult to identify.	- Many details have been added. The details are clear and easy to identify.	- All details have been added. The details are clear and easy to identify.
(8s10)	- Student uses vocabulary and terminology of the discipline with limited effectiveness in oral and written communication	- Student uses vocabulary and terminology of the discipline with some effectiveness in oral and written communication	- Student uses vocabulary and terminology of the discipline with considerable effectiveness in oral and written communication	- Student uses vocabulary and terminology of the discipline with a high degree of effectiveness in oral and written communication
Application				
(8s7)	- uses a microscope correctly and safely with many errors to find and observe components of plant and animal cells	- uses a microscope correctly and safely with some errors to find and observe components of plant and animal cells	- uses a microscope correctly and safely with few errors to find and observe components of plant and animal cells	- uses a microscope correctly and safely with no errors to find and observe components of plant and animal cells
(8s8)	- prepares dry mount slides of a variety of objects for use with a microscope (e.g., a piece of newspaper, a hair) with limited effectiveness	- prepares dry mount slides of a variety of objects for use with a microscope (e.g., a piece of newspaper, a hair) with some effectiveness	- prepares dry mount slides of a variety of objects for use with a microscope (e.g., a piece of newspaper, a hair) with considerable effectiveness	- prepares dry mount slides of a variety of objects for use with a microscope (e.g., a piece of newspaper, a hair) with a high degree of effectiveness

Name of Specimen	Detailed Diagram	Description: colour, size, odour, shape, texture, appearance, etc. (10 words) Qualitative, Quantitative