STUDENT WORKSHEET

Small Discoveries

Visit any of the tables in the *Small Discoveries* exhibition to view a microbe up close.
Select two different microbes featured in the exhibition. Draw and label them here:

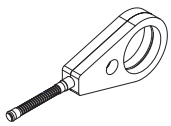
What similarities and differences do you notice between these two organisms?

_____

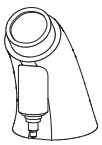
_____

_____

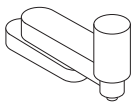
Magnification Tools
Choose a few different microbes to explore using the different tools.



Hands lens



Wentzscope



Dino-Lite

Which tool do you prefer and why?

_____

_____

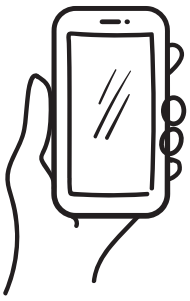
STUDENT WORKSHEET

Small Discoveries

Visit the *Where Do They Live?* exhibit section.
Look at the microbes growing on different surfaces.

What were you most surprised by when looking at the different surfaces?

_____



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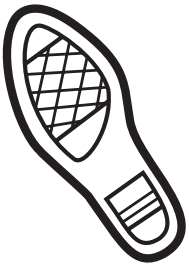

_____

Describe another surface that you are interested in seeing up close. Why?

_____

_____

_____

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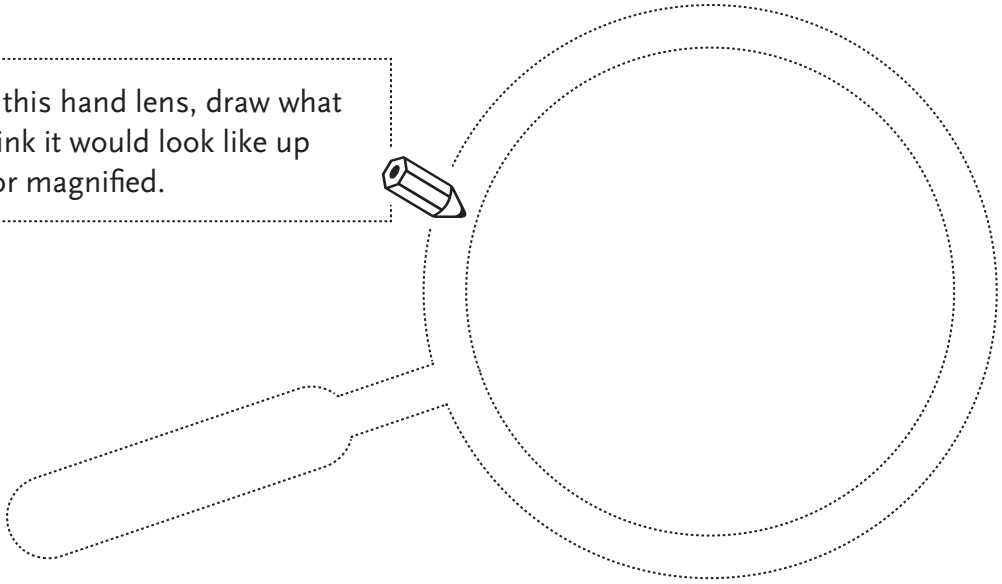
STUDENT WORKSHEET

Visit the H*ow Small is Small?* exhibit wall graphic.
Besides an ant, what would be another really small thing that you would want to see up close?

Inside this hand lens, draw what you think it would look like up close or magnified.



Visit the *Look Closer* exhibit section.
Look at the 3D model of a microorganism and then try to identify the microorganism when you view it through the microscope.

What are the differences between what you can see through the microscope and what you can see on the 3D model?

_____

_____

Which of the microorganisms is most interesting to you and why?

_____

_____

Now that you've explored *Small Discoveries*, What more would you like to learn about microbes?

_____

_____

Educator Guide: Curriculum Connections *Small Discoveries*

The standards listed below refer to the entire exhibition experience beyond the questions included on this worksheet.

Grades K – 2
1-LS1-1 From Molecules to Organisms: Structures and Processes
2-LS4-1 Biological Evolution: Unity and Diversity
K-2-ETS1-2 Engineering Design

Grades 3 – 5
3-LS4-3 Biological Evolution: Unity and Diversity
3-LS3-2 Heredity: Inheritance and Variation of Traits.
5-PS1-15-PS1-1 Matter and Its Interactions

Grades: 6 – 8
MS-LS1-1 From Molecules to Organisms: Structures and Processes

Based on New York State Science Learning Standards and the New York City Department of Education Science Scope and Sequence (2022)