# Microscopes Magnify Things

**Cross-Curricular Focus: Science Investigations**

Name:_____

Microscopes are tools that scientists (even student scientists like you) use to make observations about things that are too tiny to see with just their eyes. Microscopes **magnify** things. They make them look bigger than they really are. Many things in **science** can be studied under a microscope. If the scientists **record** their **data,** other scientists can learn, too.

Scientists have had light microscopes to use since the late 1500's. Robert Hooke and Anton Van Leeuwenhoek were two of the microscope's early inventors. Thanks to them, and the scientists that came after them, we know a lot about microscopes and how they work. Today's light microscopes work better than Hooke and Leeuwenhoek's microscopes. Some can magnify things 1,000 times!

A light microscope uses two glass lenses inside a short tube. A light bulb under the object being viewed helps make sure that the object can be seen clearly. Little knobs like wheels can be turned to make the view sharp and clear. You see a whole new world under a microscope. You just have to look!

**Answer the following questions based on the reading passage. Don't forget to go back to the passage whenever necessary to find or confirm your answers.**

1) What does a microscope do?

_____

_____

2) Who were two of the men who helped invent the microscope many years ago? _____

_____

3) How do scientists let other scientists know about the things they observe so they can learn, too?_____

_____

4) What is inside the microscope's short tube? _____

_____

5) What are the little knobs on the side of a microscope used for? _____

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