

We're curious about
microscopes!

Fact or fiction?

Guess if each statement is fact or fiction in Section 1. After you've guessed an answer, search some sources on the Internet to determine if the statements are actually fact or fiction. Write a brief summary of your findings underneath each statement in Section 2.

Section 1: For each of the following statements, GUESS if they are fact or fiction. Circle the answer; you don't have to show any work.

1. **Fact or Fiction:** Microscopes only use light to visualize objects.
2. **Fact or Fiction:** Scientists can use microscopes to see things millions of times bigger than they actually are.
3. **Fact or Fiction:** Viruses are too small to see with a microscope.
4. **Fact or Fiction:** You can stain cells different colours to see them better under a microscope.
5. **Fact or Fiction:** Microscopes, telescopes and binoculars use similar types of lenses.
6. **Fact or Fiction:** Concave lenses are used in microscopes to make images look larger.
7. **Fact or Fiction:** Scientists use UV light when using a fluorescence microscope.
8. **Fact or Fiction:** Scientists can only get 2D images from microscopes.
9. **Fact or Fiction:** Only a single person was involved in inventing the microscope.
10. **Fact or Fiction:** Scientists are only able to see dead cells under a microscope.
11. **Fact or Fiction:** A compound microscope has at least 2 lenses. One in the eye piece and one in the objective.



Section 2: For each of the following statements, search for sources on the Internet to determine if they are fact or fiction. Write Fact or Fiction on the line provided and underneath each question, summarize what you found during your searches.

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11. _____ A compound microscope has at least 2 lenses. One in the eye piece and one in the objective.

