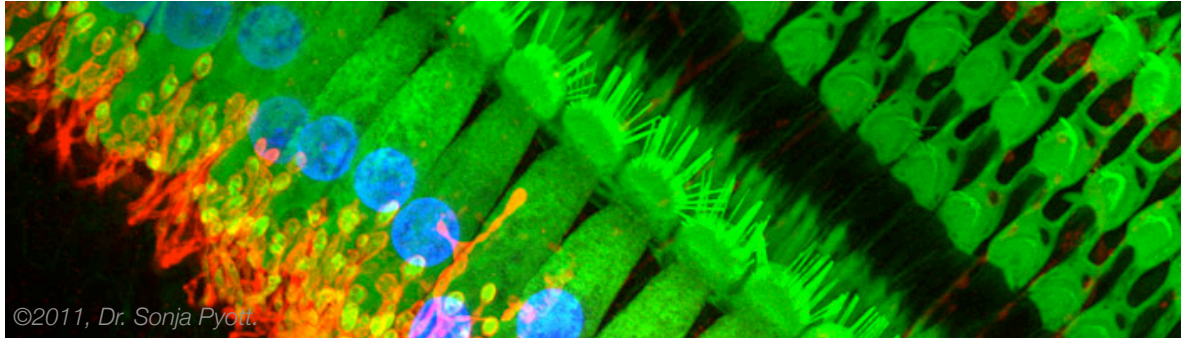


Name

Date



Seeing Inside

Multiple Choice

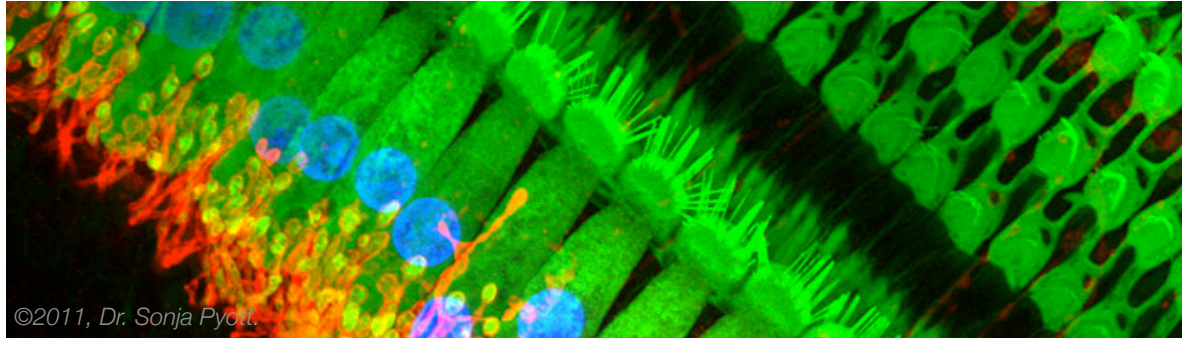
For each question, select the best answer from the four alternatives.

1. Paragraph 1 of the article does **not**
 - a) explain the impact of new technology on disease diagnosis.
 - b) describe how traditional microscopy works.
 - c) list the advantage of confocal microscopy.
 - d) contain the main idea of the article.
2. What does confocal microscopy do?
 - a) It allows scientists to view cells at great magnification.
 - b) It allows scientists to view cells at different depths.
 - c) It allows scientists to view fluorescent parts of cells on different planes.
 - d) It allows scientists to view an entire cell in bright light.
3. Infrared light makes images from deep inside the sample possible because
 - a) it is more focused than visible light.
 - b) it has more energy than visible light.
 - c) it is more confocal than visible light.
 - d) it is used more often than visible light.
4. From reading the text you might infer that fluorescent materials might be incorporated into cells by
 - a) using a tiny syringe to insert material into thousands of cells by hand.
 - b) exposing cells to fluorescent light.
 - c) supplying nutrients that have fluorescent markers for cells to take up.
 - d) grinding up cells and mixing in fluorescent material.

Short Answer

In paragraph 2, three different terms appear in parentheses. Explain why the author did this.

5. _____



Seeing Inside

Multiple Choice

For each question, select the best answer from the four alternatives.

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5. In the first case, the abbreviation "uv" appears in parentheses to let the reader know it might be used later in place of the long term "ultraviolet radiation." "Glow" appears in parentheses to tell the reader what the unfamiliar word "fluoresces" means. The last use of parentheses involves something that is not part of the sentence, but rather a direction telling the reader where to look for more information.