

### A Look inside the Lab: Gel Electrophoresis

1. What is gel electrophoresis?
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
2. Explain the process by which DNA is separated in an agarose gel.
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
3. Would you find the largest or the smallest fragment of DNA closest to the bottom of the gel once the gel electrophoresis process is complete? Explain your answer.
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
4. Give three examples of how gel electrophoresis can help scientists.