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Health Science Students:  
Textbook link: [g-wonlinetextbook.com](http://g-wonlinetextbook.com)  
Username: lkcisd03  
Password: ihs16

Hello everyone ... I hope all is well!!!

### **Week of 4/27-5/1**

Are healthcare workers who have direct contact with patients more important than other healthcare workers? Kimberley goes to work every day believing this is the day her research could make a difference. She works in lab that is

Trying to develop a new way to fight antibiotic-resistant bacteria. Some bacteria have become strong enough that they cannot be killed by the usual antibiotic treatment or even the strongest drugs. These bacteria are causing serious problems for people around the world. Kimberley is one of many workers in her company doing research at the cellular level to find a solution to this problem. Her approach is to look for a virus that will eat the specific bacterium she is investigating. Finding one won't be the end of the work, of course. She'll also have to make sure that the virus itself won't cause

Any harm. Then her team will have to determine if this treatment will have any side effects on patients. Finally, they'll have to see if they can mass-produce the virus. But all of that is down the road. Today, Kimberley has to run more tests on the virus with which she's currently working. After she puts on her scrubs, gloves, and goggles and walks into the lab, she thinks to herself, Who knows? Maybe today is the day we have a breakthrough. Kimberley is one of hundreds of thousands of workers in biotechnology research and development. If you've ever taken a medication to treat an illness, you can thank these workers for helping you get better. They have no direct contact with patients, but they are an important part of the healthcare system.

1. How would healthcare be different without biotechnology Research And Development workers?
2. What role does kimberley and her coworkers play in health care?
3. What issues are raised by the fields of biotechnology?
4. Use at least 5 new vocabulary terms from chapter 20 as you support your points.  
Underline these new vocabulary terms in your answers.

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