

<b>CHAPTER 13</b>	<b>Investigation 13.A: Evaluating Potential Uses for Human Growth Hormone Answer Key</b>	<b>BLM 13.2.3A</b>
<b>ANSWER KEY</b>		

### Answers to Opinions and Recommendations

3. a) Some possible questions include:
- What is human growth hormone?
  - What does human growth hormone normally do?
  - Why is human growth hormone replacement therapy normally used?
  - What are the dangers of excess human growth hormone?
  - What other health risks are associated with human growth hormone?
  - What is the cost of human growth hormone therapy?
- b) Parents might want synthetic hGH for their children to increase their growth or to reduce obesity. Parents should be aware that it is very expensive (\$25 000 or more per year) and is associated with several negative health effects.
- c) Some possible questions you should consider in deciding whether athletes should be allowed to use synthetic hGH include:
- Is it fair for an athlete to use a substance that enhances his/her athletic ability?
  - How close are officials to determining ways of detecting the use of human growth hormone in athletes?
  - What are the dangers of excess growth hormone?
  - What other health risks are associated with human growth hormone?
  - Can athletes easily obtain safe hGH pills over the Internet?
  - Where can I find more information?
- d) Some possible questions students might research in preparing an answer for whether health insurance should cover hGH therapy include:
- What are the costs associated with hGH therapy?
  - Does hGH therapy really work?
  - For which health conditions would using hGH therapy improve the quality of life?
  - What are the health risks involved in not using hGH therapy for those that need it?
  - What is the current state of gene therapy?
  - What factors might limit the effectiveness of gene therapy?
  - What other health risks are associated with human growth hormone?
  - Where can I find more information?

<b>CHAPTER 13</b>	<b>Investigation 13.A: Evaluating Potential Uses for Human Growth Hormone Answer Key (cont'd)</b>	<b>BLM 13.2.3A</b>
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4. Your table should resemble the one shown below:

<b>Issue</b>	<b>Benefits</b>	<b>Risks</b>
<b>1.</b> Should people have the option to take synthetic hGH just to increase their genetically predetermined height?		
<b>2.</b> Should hGH be approved as a diet treatment for obesity?		
<b>3.</b> Should athletes be allowed legal access to hGH?		