

Hypothetical

- A. Assume that in some instances, in order to raise bigger cattle faster, cattle ranchers give growth hormones to the cattle.
- B. Assume, also, the following facts:
 - 1. A team of scientists across the country has just completed a study in which they fed growth hormone "X" to laboratory rats every day for a month. The scientists discovered that the rats that were fed the growth hormone were 10,000 times more likely to contract cancer than a control group of rats that wasn't fed the growth hormone.
 - 2. The rat study was replicated by an independent team of researchers on monkeys.
 - 3. Both studies concluded that growth hormone "X" is a severe carcinogen, and that ingestion of the hormone will greatly increase one's chances of contracting cancer.
 - 4. Growth hormone "X" has only begun to be widely used by cattle ranchers in the last 6 months, but they have found that it has increased the size of the cattle in their herd 10 times more than any other growth hormone they have used.
- C. Consider the advantages and disadvantages of addressing the problem above through the four approaches discussed in the text (i.e. regulation, market forces, liability and insurance)