

# Week 8 Writing Activity: Chapter 6 of the *Scientific Attitude*

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## 1 Modern Medicine: The Scientific Attitude

1. Louis Pasteur was known for the proverb: “Chance favors the prepared mind.” Within the context of the development of modern medicine between (1860-1940), what do you think he meant by this saying?
2. Describe the development of penicillin from faulty experiment in Alexander Fleming’s lab to mass-delivered antibiotic medication.
3. In another famous example (earlier than penicillin), scientists Joseph Henry and Michael Faraday noticed that electric currents and fields are generated when we perform a certain action with a magnetic field. Watch the following video: [https://youtu.be/pQp6bmJPU\\_0](https://youtu.be/pQp6bmJPU_0) and draw a comparison to the moments of curiosity between the physicists and Alexander Fleming.