

**Part 1: Big Picture Timeline**

1. In the space provided, and using the timeline from the class notes as a model, draw your own table/timeline of the history of technology and society with the following features:
  - a) four labeled periods/chapters with three dividing lines between them—and the *dates for the lines*
  - b) the names of the inventions/events that are the reason for the three vertical lines
  - c) the *names* of an additional invention/event that is especially important to each modern period (no *dates*)
  - d) the life expectancy of human beings at the beginning and end of the timelines
  - e) a brief explanation of the names of the four periods

**Part 2: Power Revolutions**

2. What is the first power revolution in industrial history? Explain how this change impacted the production of clothing, and how it impact the story of transportation.

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3. Why is a steam engine called an “external combustion engine”? How does the second power revolution transcend its limitations, and what were the consequences for transportation?

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**Part 3: Food and Medicine**

4. Why did *proto-industrial* progress not translate into greater food production? What was the *industrial* breakthrough in that area?

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5. What is the Green Revolution, and why is it important?

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6. What scientific theory is the key to *industrial* medicine? What two kinds of life-saving drugs are based on this theory?

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**Part 4: Technology and Society**

7. What are the representative technologies of the different chapters of the history of communication?

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8. Why do *conservationists* and *preservationists* object to industrialization? What do they have in common, and in what way(s) do they differ?

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9. What three technologies distinguish the *advanced* industrial period from previous phases of the history of technology? What social response is specific to this phase of history, and why?

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