

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 lines
 - c) the *names* of three inventions/events that are 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.

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?

Part 3: Food and Medicine

4. Why did *proto-industrial* progress not translated into greater food production? What was the *industrial* breakthrough?

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

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

Part 4: Technology and Society

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

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

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?
