Name(s)_____ Period _____ Date _____

Resource - Topic List: Global Impacts of the Internet

Global Impact Topic and Question	Internet Technology(ies)
Trust Model of the Internet ● What are the positives and negatives of the open standards and trust model of the Internet?	DNS or Routing

Global Impact Topic and Question	Internet Technology(ies)
Accessibility ● How does the software technology of the Internet limit or enable accessibility?	IPv6 (scaling also enabled by hierarchy in DNS, routing redundancy) or Layers of Abstraction (Internet basics at the low level allow new network mediums)

Global Impact Topic and Question	Internet Technology(ies)
Accessibility ● How does the hardware medium of the Internet limit or enable accessibility?	IPv6 (scaling also enabled by hierarchy in DNS, routing redundancy) or Layers of Abstraction (Internet basics at the low level allow new network mediums)

Global Impact Topic and Question	Internet Technology(ies)
Net Neutrality ● Should rules be established that allow Internet Service Providers (ISPs) to differentiate between different types of traffic without charging differently and instead based solely on the type of content (i.e. video goes faster, email goes slower) and without regard to the source or destination of the packet?	Packet-Switched Network

Global Impact Topic and Question	Internet Technology(ies)
Net Neutrality ● Should Internet Service Providers (ISPs) be able to send packets through their networks at differing speeds, based on who sent the packet, who is receiving the packet, or what type of content is within the packet?	Packet-Switched Network

Global Impact Topic and Question	Internet Technology(ies)
Commercial/Government Filtering ● What are the legal and ethical concerns related to commercial or government control of DNS?	DNS

Global Impact Topic and Question	Internet Technology(ies)
Commercial/Government Filtering ● Are there possible positive outcomes to commercial or government control of DNS?	DNS

Global Impact Topic and Question	Internet Technology(ies)
Communication / Collaboration ● How has Twitter changed how news is created and reported? Why is a tweet limited to a certain number of characters?	Layers of Abstraction (Internet basics at the high level has allowed new communication methods)

Global Impact Topic and Question	Internet Technology(ies)
Communication / Collaboration ● What education and/or training trends have developed recently because of Internet technologies?	Layers of Abstraction (Internet basics at the high level has allowed new communication methods)

Global Impact Topic and Question	Internet Technology(ies)
Communication / Collaboration ● How has citizen science impacted science?	Layers of Abstraction (Internet basics at the high level has allowed new communication methods)

Global Impact Topic and Question	Internet Technology(ies)
Communication / Collaboration ● What problems are being solved with crowdsourcing?	Layers of Abstraction (Internet basics at the high level has allowed new communication methods)

Global Impact Topic and Question	Internet Technology(ies)
Communication / Collaboration ● How have enhanced methods and opportunities for communication and collaboration impacted individuals with disabilities?	Layers of Abstraction (Internet basics at the high level has allowed new communication methods)

Global Impact Topic and Question	Internet Technology(ies)
Innovation ● Compare the role of social media and online access across a few varied regions of the world. Account for the differences culturally and politically, as well as economically.	Open Standards (fuel the growth of the Internet)

Global Impact Topic and Question	Internet Technology(ies)
Innovation ● How has the term "geographically remote" become almost inaccurate when describing some regions of the world that recently were very remote. What evidence can you find related to politics, businesses, health, etc.?	Open Standards (fuel the growth of the Internet)

Global Impact Topic and Question	Internet Technology(ies)
Innovation ● Research a recent app that has 2 sides...a useful and a "dark side." How do we balance these uses?	Open Standards (fuel the growth of the Internet)

Global Impact Topic and Question	Internet Technology(ies)

Privacy ● Is it possible to "get lost" in today's connected world? What technologies make it almost impossible to maintain "privacy of location?"	Open Standards (fuel the growth of the Internet)

Global Impact Topic and Question	Internet Technology(ies)
Privacy ● What is trolling? How has it evolved with the development of social media?	Open Standards (fuel the growth of the Internet)

Global Impact Topic and Question	Internet Technology(ies)
Privacy ● How has current copyright/trademark/patent law lagging behind technology?	Open Standards (fuel the growth of the Internet)

Global Impact Topic and Question	Internet Technology(ies)
Privacy ● What online tracking is being used in advertizing? What are the ethical questions about collecting online activity and using it to target potential shoppers?	Open Standards (fuel the growth of the Internet)

Global Impact Topic and Question	Internet Technology(ies)
Privacy ● Who collects what information about whom? What are the questions of trust and security in the online amassing of personal data?	Open Standards (fuel the growth of the Internet)

Global Impact Topic and Question	Internet Technology(ies)
Privacy ● Who owns the personal data collected? Who owns you?	Open Standards (fuel the growth of the Internet)

Global Impact Topic and Question	Internet Technology(ies)
Digital Access ● How much data is available online? How much data is transmitted over the Internet? How has that changed over time?	Packet-Switched Network (has allowed growth in data transfer rates)

Global Impact Topic and Question	Internet Technology(ies)
Digital Access ● Who controls what goes into and who has access to online data stores? What impacts does that have?	Packet-Switched Network (has allowed growth in data transfer rates)

Global Impact Topic and Question	Internet Technology(ies)
Digital Access ● What is the difference between streaming and downloading a movie?	Packet-Switched Network (has allowed growth in data transfer rates)

Global Impact Topic and Question	Internet Technology(ies)
Digital Access ● A recent trend is for individuals to create cyber reproductions of themselves that will exist, interact, grow after they are dead? What's that all about? What does that do to the concept of mortality?	Packet-Switched Network (has allowed growth in data transfer rates)

Global Impact Topic and Question	Internet Technology(ies)
Digital Access ● How has the Digital Millennium Copyright Act (DMCA) impacted the arts?	Packet-Switched Network (has allowed growth in data transfer rates)

Global Impact Topic and Question	Internet Technology(ies)
Everything is Always Connected ● The factory of today has changed dramatically from 20 years ago. Now, every piece of machinery, every item in inventory, every environmental measure, and every worker's productivity can be recorded. What are the benefits and challenges of this scenario?	Layers of Abstraction (Internet basics at the high level has allowed a wide range of new devices)

Global Impact Topic and Question	Internet Technology(ies)
Everything is Always Connected ● How do companies/employees manage the separation of personal computing from work computing?	Layers of Abstraction (Internet basics at the high level has allowed a wide range of new devices)

Global Impact Topic and Question	Internet Technology(ies)
Everything is Always Connected ● Our developing dependence on Global Positioning System (GPS) and related technologies has led to some unfortunate incidents caused by software or data errors. Who is ultimately responsible?	Layers of Abstraction (Internet basics at the high level has allowed a wide range of new devices)