Unit 1 Review Document
Complete this worksheet using RED TEXT

1. Can people survive without technology?

2. Describe how the advancement of technology can both positively and negatively effect human longevity:

3. Describe how the advancement of technology can make your life both more and less complex: (complete sentences)

4. Describe why people become more specialized in the careers, as technology advances: (complete sentences)

5. Describe how the tools we use become more efficient as technology advances: (complete sentences)

6. How does technological evolution effect reliability/safety/durability? (complete sentences)

7. What is required in order for technology to continue to advance?

Define the term “Invention”:

Define the term “Innovation”:

Define the term “Patent”:

Who invented the Geodesic Dome?

1. The rate of technological development is __________.
   a. Rapidly decreasing
   b. Rapidly increasing
   c. Slowly increasing
   d. Slowly decreasing

2. Which of the following does not represent an innovation derived from the NASA space program?
   a. Self-contained breather systems
   b. Adjustable patient harness system
   c. Crash test dummies
   d. Die-free laundry detergent

3. Which of the following represents the original invention computers are based upon?
   a. Abacus
   b. Vacuum tubes
   c. Drive train
   d. Calculators

Remember: Inventions and innovations are the result of an evolutionary process through a series of improvements and refinements.
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4. ______________ is a series of refinements to an original idea or product.
   a. Technology transfer b. Invention c. Innovation d. Culture shift

Give 5 Examples of Technology transfer:
1. 
2. 
3. 
4. 
5. 

What are the 5 areas that technology almost always has positive or negative affects?
1. 
2. 
3. 
4. 
5. 

Define “trade-Off’:

Define “Unintended Consequence”:

Define “fads”:

What’s the difference between primary and secondary research?

Define Technological Literacy:

Define Cost-Benefit Analysis:

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