**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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