Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Unit 1 - Technological Systems: How They Work

###### Pretest

Directions: Place the letter of the best answer in the box to the left of statement.

|  |  |
| --- | --- |
| 1. | The development of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a human activity and is the result of individual or collective needs and the ability to be creative. commerce  1. mathematics 2. science 3. technology |
| 2. | When parts of a system are\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, the system may not work properly.   1. maintained 2. enlarged  missing or malfunctioning  1. analyzed |
| 3. | **The essence of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is comparing information about what is happening with what people want to happen and then making appropriate adjustments.**   1. inspection 2. design 3. creativity 4. **control** |
| 4. | Engineers use \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_to express ideas precisely.   1. scientific instruments 2. the language of mathematics 3. the design process 4. computers |
| 5. | A/an \_\_\_\_\_\_\_\_\_\_\_is a group of interrelated components that collectively achieve a desired result.   1. machine 2. input 3. resource 4. system |