

# Analog World / Digital World

## Transmitting Information

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Directions: Choose something to measure such as weight, temperature, size, or quantity. Describe what it is you are trying to measure and use analogies to convey that information. You may not use a measuring device, but describe the device that you would use if you could.

1. Draw a picture of what you would like to measure.

2. Describe what it is you are trying to measure in words.

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3. Now you will encode your measurement using letters and words. Use analogies to convey your measurement. Ex. It is as warm as \_\_\_\_.

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4. Describe the measuring device you would use if you could for this task.

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5. You need to share your measurement with another person. Who is that person, where are they located, and how will you transmit the information to them?

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**Transmitting Information**

*Present qualitative scientific and technical information to support the claim that digitized signals (sent as save pulses representing 0's and 1's) can be used to encode and transmit information.*

Information (Message)	Encode	Transmit
<b>Analog:</b> Sound Length Weight Temperature Time Color  Sound	Words  Microphone AM/FM modulation Record on (vinyl)record o tape	Speech  PA System Telephone Radio Hand deliver
<b>Digital:</b> Digital Display	Words Binary Code  CD code	Hand deliver

