Digital

Analog

Signals are composed of infinite possible values.
Signals are composed of only two possible values: 0 or 1.

Sound signals can vary smoothly in volume and pitch.
The signal leaps from one value to another.

Resource by Andrea LaRosa
Waves are smooth and continuous.

Waves have a step-like appearance.

Signals are susceptible to “noise” and distortion.

Signals maintain their integrity during transmission.
<table>
<thead>
<tr>
<th>Full or “warm” sound quality.</th>
<th>Shallow or “cold” sound quality.</th>
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<tbody>
<tr>
<td>Has a limited capacity to store and transmit information (data).</td>
<td>Can be used to store and transmit large amounts of information (data).</td>
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**Examples:**
- Photocopier
- Landline Telephone
- Cassette Tape

**Examples:**
- Smart Phone
- Video Game Consoles
- Computers
Electron microscope image of the surface of a vinyl record

Electron microscope image of the surface of a CD