Digital Audio Principles Quiz

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

1. How does increasing bitrate affect a recording?

It increases frequency response

It increases headroom

It increases noise

It increases recording speed

1. How does increasing sample rate affect a recording?

It increases frequency response

It increases headroom

It increases noise

It increases recording speed

1. What is the Nyquist theorem?

Kickflips are totally rad

Double the sampling frequency is required to capture a specific frequency

Double the bit rate is required to capture a specific frequency

Frequencies recorded digitally are never full fidelity

1. What is AD/DA conversion?

Converting signal from electrical to magnetic and back again

Converting signal from analog to digital and back again

Converting signal from tape to vinyl and back again

Converting signal from magnetic to mechanical and back again

1. What is latency?

Delay caused by inappropriate gain staging

Delay caused by round trip signal travelling through a digital system

Delay caused by round trip signal through a purely analog system

Delay caused by damaged cables in an audio system