

Analogue Consumer Formats - Knowledge Organiser

GLOSSARY	
Wow	The result of low-frequency speed variation in analogue playback mediums - Can occur when a vinyl is badly warped or has a misaligned centre-hole
Flutter	The result of high-frequency speed variation in analogue playback mediums - Can occur when cassettes have a capstan that turns at an uneven speed
VINYL	
<ul style="list-style-type: none"> Grooves are cut into a disk with small bumps; they are a physical representation of a track's waveform A needle is placed into the groove which vibrates, recreating the original audio by converting the vibrations into an electrical signal This is amplified by a speaker system for the consumer 	
Pros	Cons
<ul style="list-style-type: none"> Some argue that vinyl sounds more 'authentic/warmer' 	<ul style="list-style-type: none"> Not very portable
<ul style="list-style-type: none"> DJs still use physical records for beat-matching and scratching 	<ul style="list-style-type: none"> Very fragile
<ul style="list-style-type: none"> Has become more popular in recent years 	<ul style="list-style-type: none"> Requires a lot of maintenance
	<ul style="list-style-type: none"> Rumble prone and poor low frequency response
CASSETTE	
<ul style="list-style-type: none"> Utilise the same technology as multitrack tape on a smaller scale Signals recorded would magnetise the oxide particles on the cassette tape This information would then be read by the playback head which would convert it into an electrical signal for amplification The oxide particles could be reset for re-recording using the erase head 	
Pros	Cons
<ul style="list-style-type: none"> Cheaper than vinyl (when first introduced) 	<ul style="list-style-type: none"> Tape can get tangled/snap
<ul style="list-style-type: none"> Tape is protected in the casing 	<ul style="list-style-type: none"> High maintenance
<ul style="list-style-type: none"> Longer recording times than vinyl LPs 	<ul style="list-style-type: none"> Tape deteriorates over time
<ul style="list-style-type: none"> More portable than vinyl 	<ul style="list-style-type: none"> Hiss prone