Name: ..... Due: **Next Class / Friday**

C3 Large Scale Analogue HW 2 – Fleetwood Mac 'Dreams' & Analogue Dynamics

Artist: Fleetwood Mac (Rumours, 1977, Record Plant, Producers: Fleetwood Mac, Ken Caillat)
https://www.youtube.com/watch?v=Y3ywicffOj4

1. In 1976–1977, Fleetwood Mac tracked "Dreams" on 24-track 2-inch tape at Record Plant Sausalito. Identify the panning and instrumentation in the stereo mix. (3)

Instrument / Vocal Group	Stereo Position / Studio Treatment
Lead Vocal (Stevie Nicks)	Centre (Controlled by UREI 1176 Limiter)
Acoustic & Electric Guitars	
Bass Guitar (John McVie)	Centre (Direct Injection + Amp)
Fender Rhodes Electric Piano	

2. What physical damping technique was applied to Mick Fleetwood's snare drum and kick drum to create the ultra-dry, punchy 1970s drum sound? (1)

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3. What year was "Rumours" released, and why did frequent overdubbing across months cause tape wear, requiring backup safety slave reels? (2)

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4. 1970s studios relied on the UREI 1176 and dbx 160 compressors. Compare the circuit architecture (FET vs VCA) and attack speeds of these two classic analogue dynamics units. (4)

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5. To overcome analogue tape hiss across 24 tracks, studios utilized Dolby A-type noise reduction. Explain how 4-band companding (compression on record, expansion on playback) eliminates hiss. (4)

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6. Describe how you would close-mic a snare drum in a modern studio using two microphones to capture both the top head impact and bottom snare wires: (4)

Microphone Choices (Top & Bottom) & Polar Patterns (2)
Top Microphone: Bottom Microphone:
Placement, Angle & Crucial Phase Alignment Step (2)

Total:	**/18**