

Name: _____ Date: _____

Deepfake Detectives: Unmasking the Algorithmic Mirage for 10th Grade Sophomores

Scrutinize synthetic media and verify source provenance through 5 rigorous challenges designed to build defense against sophisticated AI-generated misinformation.

1. Which cognitive bias is most frequently exploited by sophisticated 'deepfake' video technology to increase the likelihood of the content being shared as authentic?

- A. The Sunk Cost Fallacy
- B. Confirmation Bias
- C. The Dunning-Kruger Effect
- D. Availability Heuristic

2. True or False: Metadata verification is a foolproof method for identifying digital manipulation because the 'Exif' data of a file cannot be altered or wiped by third-party software.

- A. True
- B. False

3. When assessing the credibility of a viral news story, applying the _____ method involves looking for what other sources say about the claim before engaging with the content.

- A. Vertical Reading
- B. Deep Analysis
- C. Lateral Reading
- D. Linear Inspection

4. In the context of evaluating digital information, what does the 'SIFT' methodology suggest as the first immediate action when encountering a provocative claim?

- A. Search for the author's biography
- B. Stop and consider the source
- C. Share it to see what others think
- D. Summarize the main arguments

5. A concept known as the _____ occurs when the public becomes so aware of deepfake technology that they begin to dismiss real evidence of wrongdoing as 'fake' to evade accountability.

- A. Liar's Dividend
- B. Algorithm Paradox
- C. Echo Chamber Effect
- D. Digital Friction